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0568

FEBRUARY, 2006
CONSTRUCTION
DOCUMENTS

UTAH STATE PRISON CONTROL ROOM REMODEL

DRAPER, UTAH

DFCM PROJECT NO. 05032100

OWNER

UTAH STATE DIVISION OF
FACILITIES CONSTRUCTION AND MANAGEMENT

State Office Building Room 4110
Salt Lake City, Utah 84114
PH#: (801) 537-9116
FAX: (801) 538-3267
CONTACT: Vic Middleton; Project Manager

MECHANICAL
PLUMBING

TO BE DESIGN BUILD

ELECTRICAL

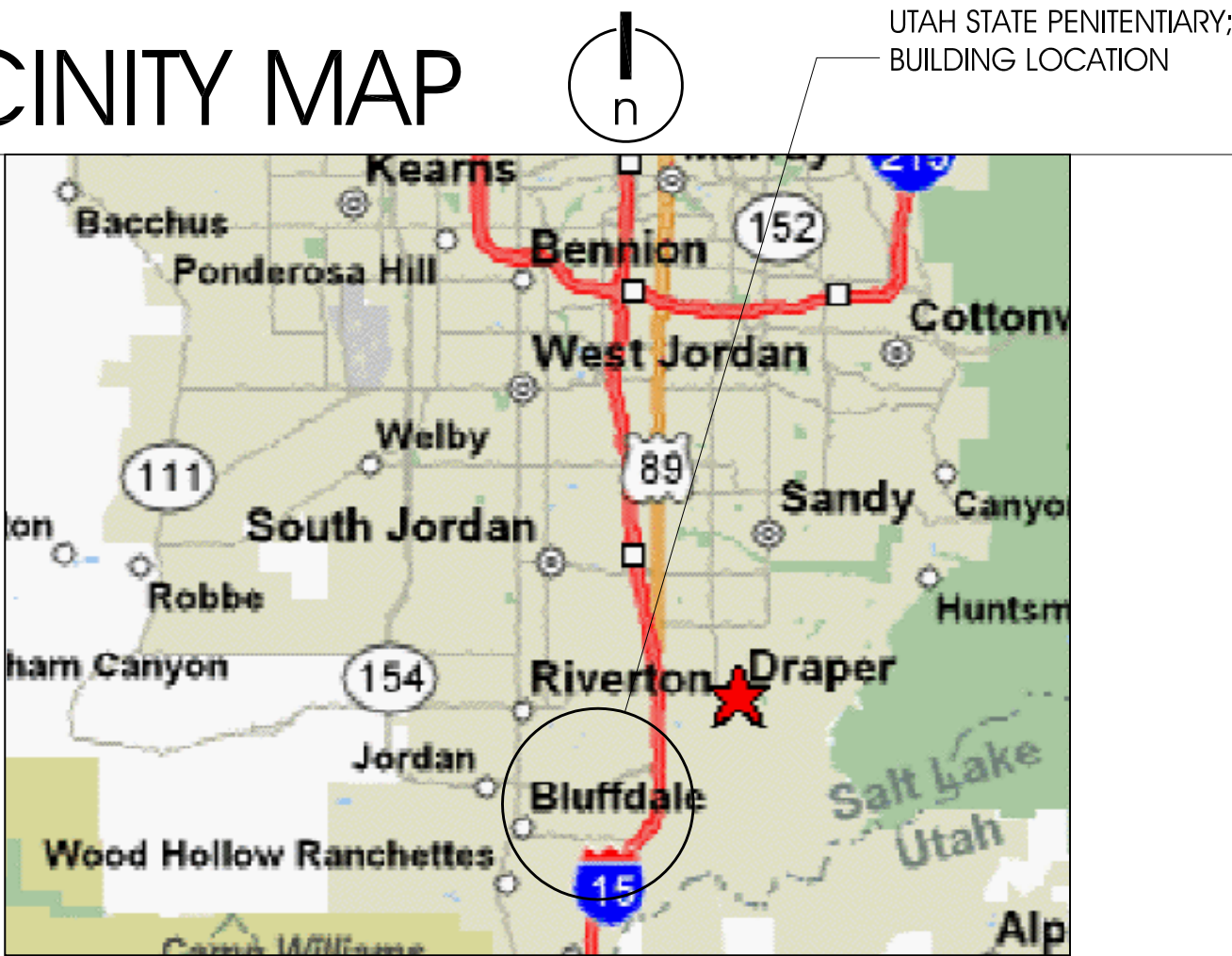
Thomas and Kolkman Engineering assoc.

46 West 1700 South
Salt Lake City, Utah 84115
PH#: (801) 484-8161
FAX: (801) 484-3538
CONTACT: RAY KOLKMAN

DRAWING INDEX:

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VICINITY MAP



SCOPE OF WORK

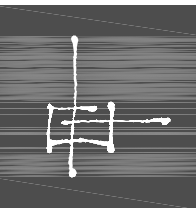
UINTA CONTROL ROOM:
ALL WORK REQUIRED TO REMOVE THE EXISTING BARS AROUND THE CONTROL ROOM,
REMOVE THE EXISTING GLAZING AND REPLACE WITH TINTED LEXGARD.
ALL WORK REQUIRED TO DEMOLISH AND REMOVE EXISTING MILLWORK AND HAND
SINK AND INSTALL NEW MILLWORK AS INDICATED HEREIN.
ALL WORK REQUIRED TO REMOVE EXISTING WATER CLOSET, RE-PLUMB AND INSTALL
NEW STAINLESS STEEL WATER CLOSET/LAV. ASSEMBLY WITH NEW ON DEMAND WATER
HEATER AS INDICATED HEREIN.
ALL WORK REQUIRED TO PROVIDE AND INSTALL (2) NEW CALL BUTTONS.

OQUIRRH CONTROL ROOMS (4 TOTAL):
ALL WORK REQUIRED TO REMOVE EXISTING GLAZING AND INSTALL NEW TINTED
LEXGARD.
ALL WORK REQUIRED TO DEMOLISH AND REMOVE EXISTING MILLWORK AND INSTALL
NEW MILLWORK AS INDICATED HEREIN.

NON CONTACT VISITATION ROOMS (53 TOTAL):
(OQUIRRH:23, UINTA 1:8, UINTA 3:9, UINTA 4:10, OLYMPUS:3)
ALL WORK REQUIRED TO REMOVE EXISTING GLAZING AND COMMUNICATIONS PORT
AND INSTALL NEW LEXGARD VIEW / COMMUNICATION WINDOW AS INDICATED HEREIN.

LEGAL VISITATION ROOM (1 TOTAL):
(OQUIRRH:1)
ALL WORK REQUIRED TO REMOVE EXISTING BARS AND INSTALL NEW LEXGARD VIEW /
COMMUNICATION / TRANSACTION WINDOW AS INDICATED HEREIN.

ARCHITECTAJC PROJECT # 0568



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PROJECT DESCRIPTION

**UTAH STATE
PRISON
CONTROL ROOM
REMODEL**
DRAPER, UTAH

SHEET NAME:

COVER SHEET

REVISIONS

MARK DATE DESCRIPTION

ISSUE DATA

ISSUE DATE: FEBRUARY 2006
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SHEET NUMBER:

GI001

2

ABBREVIATIONS

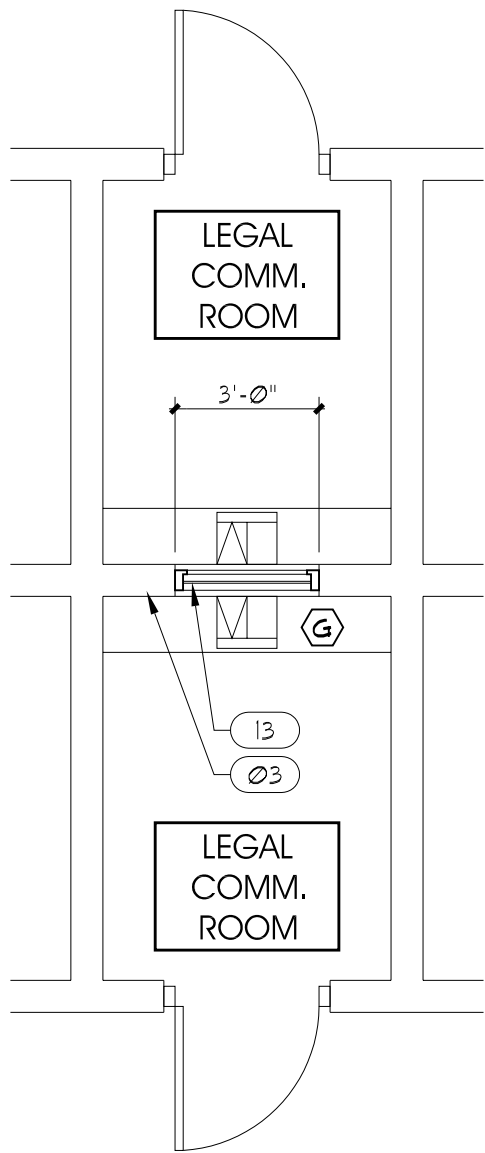
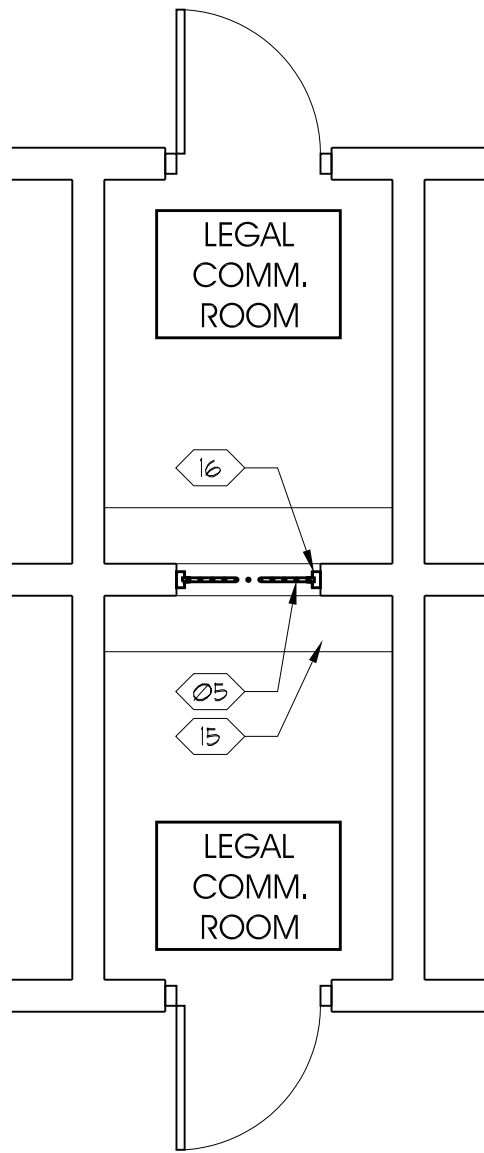
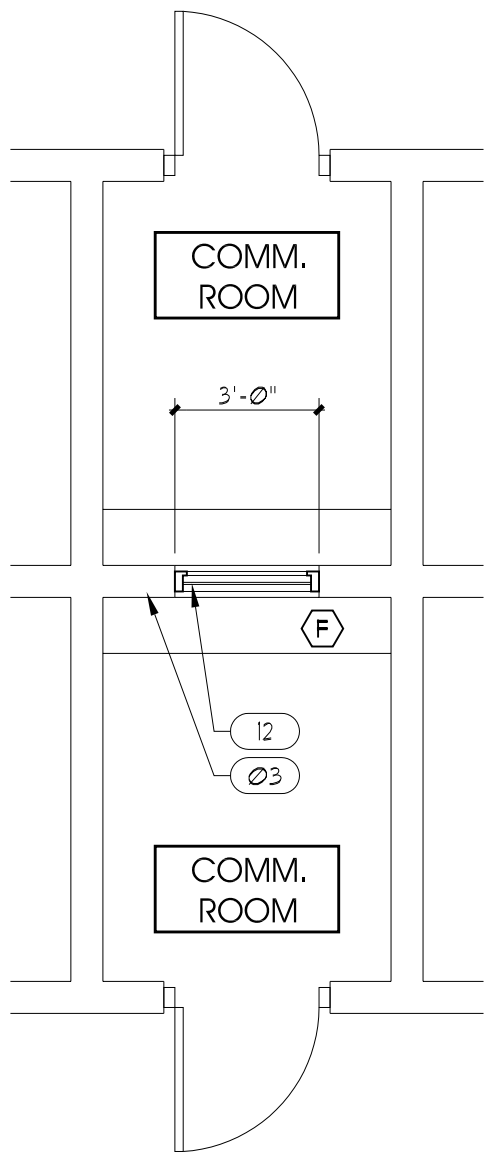
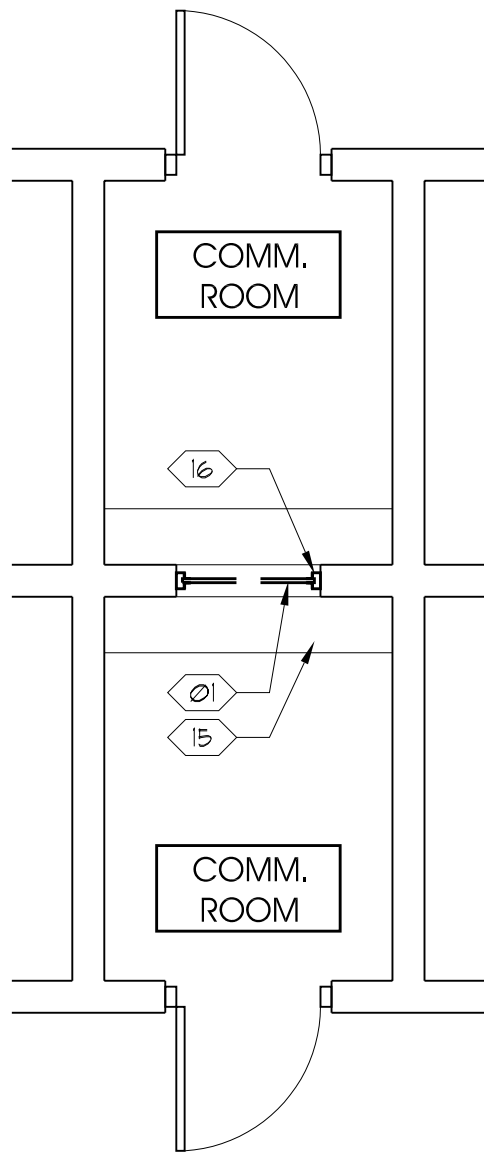
AB	ANCHOR BOLTS	EA	EACH	MAINT	MAINTENANCE	SECT	SECTION
ABBREV	ABBREVIATION (S)	ELEC	ELECTRICAL	MAT'L	MATERIAL	SHT	SHEET
APPR	APPROVED	ELEV or EL	ELEVATION	MAX	MAXIMUM	SIM	SIMILAR
ACOUS	ACOUSTICAL	ELEV	ELEVATOR	MB	MACHINE BOLT	SIMUL	SIMULATED
AC	ASPHALT CONCRETE	EQ	EQUAL	MECH	MECHANICAL	SPECS	SPECIFICATIONS
A/C	AIR CONDITIONING	EQUIP	EQUIPMENT	MET	METAL	SS	STAINLESS STEEL
AD	ACCESS DOOR	EXIST	EXISTING	MEZZ	MEZZANINE	STA	STATION
AFF.	ABOVE FINISHED FLOOR	EJ	EXPANSION JOINT	MFR	MANUFACTURER		
ALUM	ALUMINUM	EXT	EXTERIOR	MISC	MISCELLANEOUS	STD	STANDARD
		EUC	ELEG WATER COOLER	MO	MASONRY OPENING	STL	STEEL
BD	BOARD			MIN	MINIMUM	SQ	SQUARE
BLDG	BUILDING	FF	FINISH FLOOR	MULL	MULLION	STRUCT	STRUCTURAL
BLK	BLOCK	FHC	FIRE HOSE CABINET			SUSP	SUSPENDED
BM	BEAM	FIN	FINISH	(N)	NEW	SYM	SYMMETRICAL
B.O.B.	BOTTOM OF BEAM	FLR	FLOOR	N.C.	NOT IN CONTRACT		
BOT	BOTTOM	FO	FINISHED OPENING	NO.	NUMBER	T	TREAD
		FOC	FACE OF CONCRETE	N.T.S.	NOT TO SCALE	TBC	TOP BACK OF CURB
				NR	NON-RATED	TDC	TRAFFIC DECK COVERING
C/C	CENTER TO CENTER	FOF	FACE OF STUD			T & G	TONGUE & GROOVE
CER	CERAMIC	FOW	FACE OF WALL	OC	ON CENTER	TEMP	TEMPERED
CH	CEILING HEIGHT	FDN	FOUNDATION	OC	OPERATOR CONTROL CENTER	TEL	TELEPHONE
CER	CERAMIC	FRP	FIBER REINFORCED PLASTIC	OD	OUTSIDE DIAMETER	THK	THICK
CLG	CEILING	FD	FLOOR DRAIN	OF	OVERFLOW	T.O.C.	TOP OF CONCRETE OR CURB
CLOS.	CLOSED	FS	FLOOR SINK	OFF	OFFICE	T.O.F.	TOP OF FOOTING
CLR	CLEAR	FS	FULL SIZE	OFI	QUINER FURNISH ITEM	T.O.P.	TOP OF PARAPET
CMU	CONCRETE MASONRY UNIT	FSD	FULL SIZE DETAIL	OFOI	QUINER FURNISHED	T.O.S.	TOP OF STEEL
COL	COLUMN	FT	FEET		QUINER INSTALLED	TYP	TYPICAL
COMPO	COMPOSITION	FH	FULL HEIGHT	OH	OPPOSITE HAND	T.O.W.	TOP OF WALL
CONC	CONCRETE	GA	GAUGE	OPN G	OPENING		
CONN	CONNECTION	GC	GENERAL CONTRACTOR	OPP	OPPOSITE	UNO	UNLESS NOTED OTHERWISE
CONT	CONTINUOUS	GL	GLASS			VER	VERTICAL
CORR	CORRIDOR	GALV or GV	GALVANIZED	PC	PORTLAND CEMENT		
CSK	COUNTERSINK	GR	GRADE	PL	PLATE	W	WIDE
		GYP BD	GYP SUM BOARD	PLAS	PLASTER	W	WITH
DEL	DELETE	GSD	GRANITE SCHOOL DISTRICT	PLYUD	PLYWOOD	WC	WATER CLOSET
DET	DETAIL			PR	PAIR	WO	WOOD
DF	DOUGLAS FIR	H	HIGH	PREP	PREPARATION	W	WROUGHT IRON
DF	DRINKING FOUNTAIN	HDID	HARDWOOD	PROJ	PROJECTION	WL	WATER LEVEL
DIA	DIAMETER	HORIZ	HORIZONTAL	PTDF	PRESSURE TREATED DOUGLAS FIR	WP	WORKING POINT
DIAG	DIAGONAL	HM	HOLLOW METAL			⊕	WATERPROOFING
DIM	DIMENSION	HP	HIGH POINT				
DIR	DIRECTION			QT	QUARRY TILE		
DBL	DOUBLE	ID	INSIDE DIAMETER				
DN	DOWN	INSUL	INSULATION	R	RADIUS		
DO	DOOR OPENING	INT	INTERIOR	R or RAD	ROOF DRAIN		
DOOR	DOOR			REF	REFERENCE		
DS	DOWNSPOUT			REFL	REFLECTED		
DUG	DRAWING	JAN	JANITOR	REIN	REINFORCE		
				REQ'D	REQUIRED		
		LAV	LAVATORY	RES	RESILIENT		
		LEV	LEVEL	RM	ROOM		
		LTG	LIGHTING	ROI	ROUGH OPENING		
		LTWT	LIGHT WEIGHT				

D

C

B

A



3

KEYED NOTE LEGEND - DEMO PLAN:

FOR SHEET AE101 ONLY.

- 01

REMOVE EXISTING 1" GLAZING. SEE ELEV. FOR LOCATION.
- 02

EXISTING T.S. FRAME TO REMAIN - PROTECT.
- 03

REMOVE EXISTING MILLWORK.
- 04

CONTROL PANELS TO BE REMOVED AND REINSTALLED IN NEW MILLWORK. PROTECT DURING ALL PHASES OF CONSTRUCTION. FIELD VERIFY ALL ROUGH OPENINGS.
- 05

EXISTING STEEL BARS TO BE REMOVED.
- 06

EXISTING TRANSITION TRAY TO BE REMOVED.
- 07

EXISTING DOOR CONTROLS TO BE REMOVED.
- 08

EXISTING DOOR CONTROLS (ABANDONED) TO BE REMOVED.
- 09

EXISTING ANNUNCIATOR PANEL TO BE REMOVED AND REINSTALLED.
- 10

EXISTING SINK TO BE REMOVED. CAP ABANDONED PIPES & DRAIN.
- 11

EXISTING BLOWER CONTROLS TO BE REMOVED AND RELOCATED. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 12

EXISTING FIRE ALARM CONTROLS TO BE REMOVED AND REINSTALLED.
- 13

EXISTING PLASTIC LAMINATE COUNTERTOP AND ALL UNDER COUNTER MILLWORK TO BE REMOVED.
- 14

EXISTING ELECTRICAL PANELS (4) TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 15

EXISTING MILLWORK TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 16

EXISTING T.S. WINDOW FRAME TO BE REMOVED.
- 17

RELOCATE EXISTING COMMUNICATION WIRING TO COMMUNICATION ROOM. SEE ELECTRICAL DRAWINGS.
- 18

EXISTING TOILET TO BE REMOVED.

4

KEYED NOTE LEGEND - FLOOR PLAN:

FOR SHEET AE101 ONLY.

- 01

NEW 1/2" LEXGARD MPC 500 GLAZING. SEE ELEVATION INDICATED FOR LOCATION.
- 02

MODIFIED EXISTING T.S. WINDOW MULLION - SEE DETAIL.
- 03

EXISTING CMU WALL TO REMAIN. PROTECT.
- 04

VERIFY EXISTING DOOR SWING DOES NOT CONFLICT WITH MILLWORK LAYOUT.
- 05

REINSTALLED EXISTING CONTROL PANELS. FIELD VERIFY ALL ROUGH OPENINGS.
- 06

NEW P-LAM MILLWORK - SEE ELEVATION INDICATED.
- 07

NEW CREATIVE INDUSTRIES MODEL 1616 TRANSACTION DRAWER OR EQUAL. USE EXISTING SLOT IN CONCRETE STEM WALL. FIELD VERIFY EXISTING LOCATION AND DIMENSIONS AGAINST CONFLICT WITH MILLWORK AND SLOT IN CONCRETE STEM WALL.
- 08

NEW DOOR CONTROL PANEL. SEE ELEC. DRAWINGS.
- 09

NEW A-CORN LAV-TOILET COMBY. SEE SPEC.
- 10

NEW CALL BUTTON (TYP. OF 3) - SEE ELEC. DRAWINGS.
- 11

EXISTING RELOCATED BLOWER CONTROLS.
- 12

NEW INSULGARD NON-CONTACT VISITATION WINDOW UNIT OR EQUAL.
- 13

NEW INSULGARD 5V TRANSACTION WINDOW UNIT OR EQUAL.
- 14

NEW ON DEMAND WATER HEATER. G.C. TO VERIFY CLEARANCES.
- 15

REINSTALLED EXISTING ANNUNCIATOR PANEL. PATCH AND REPAIR CEILING AS REQUIRED.

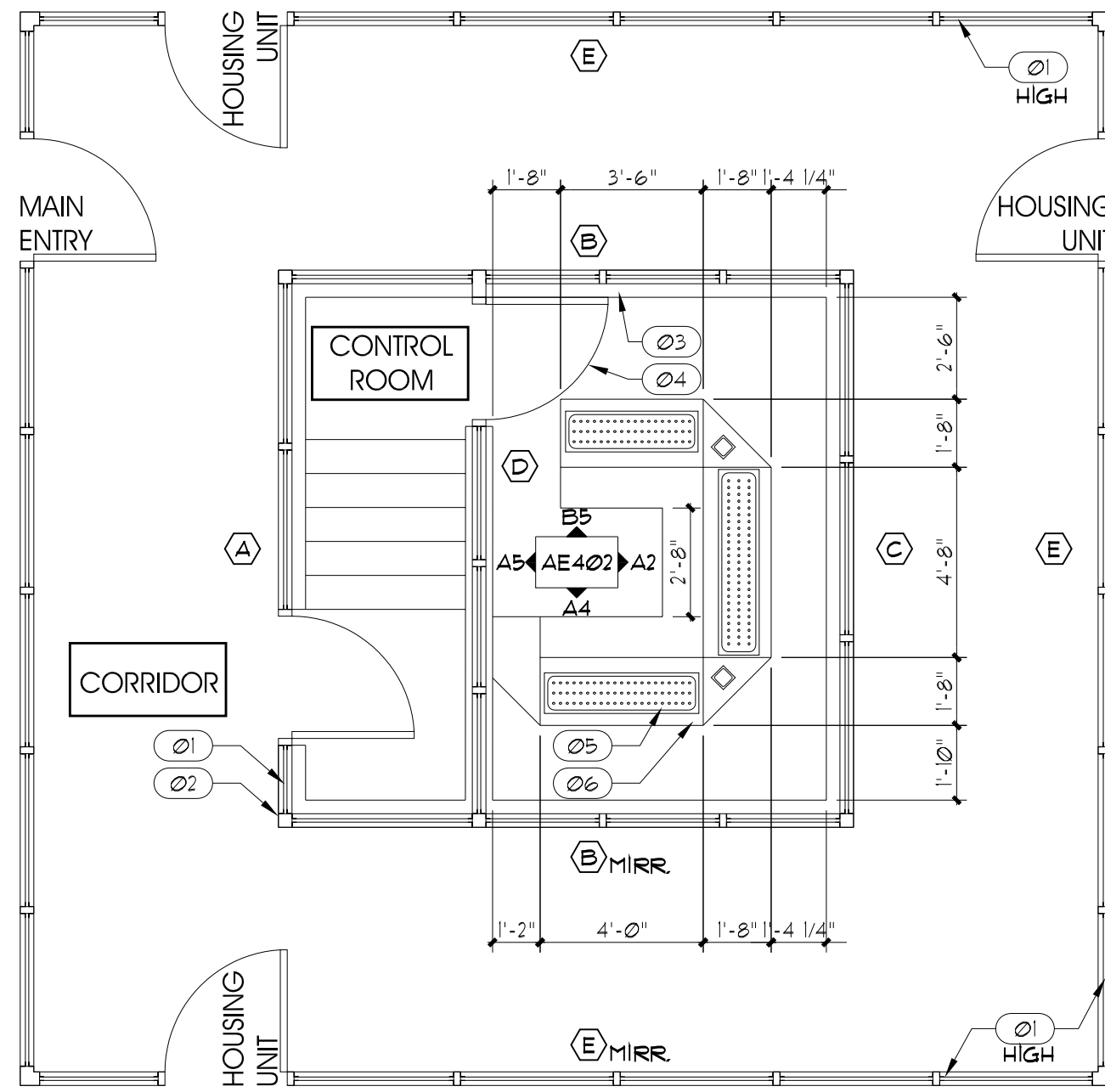
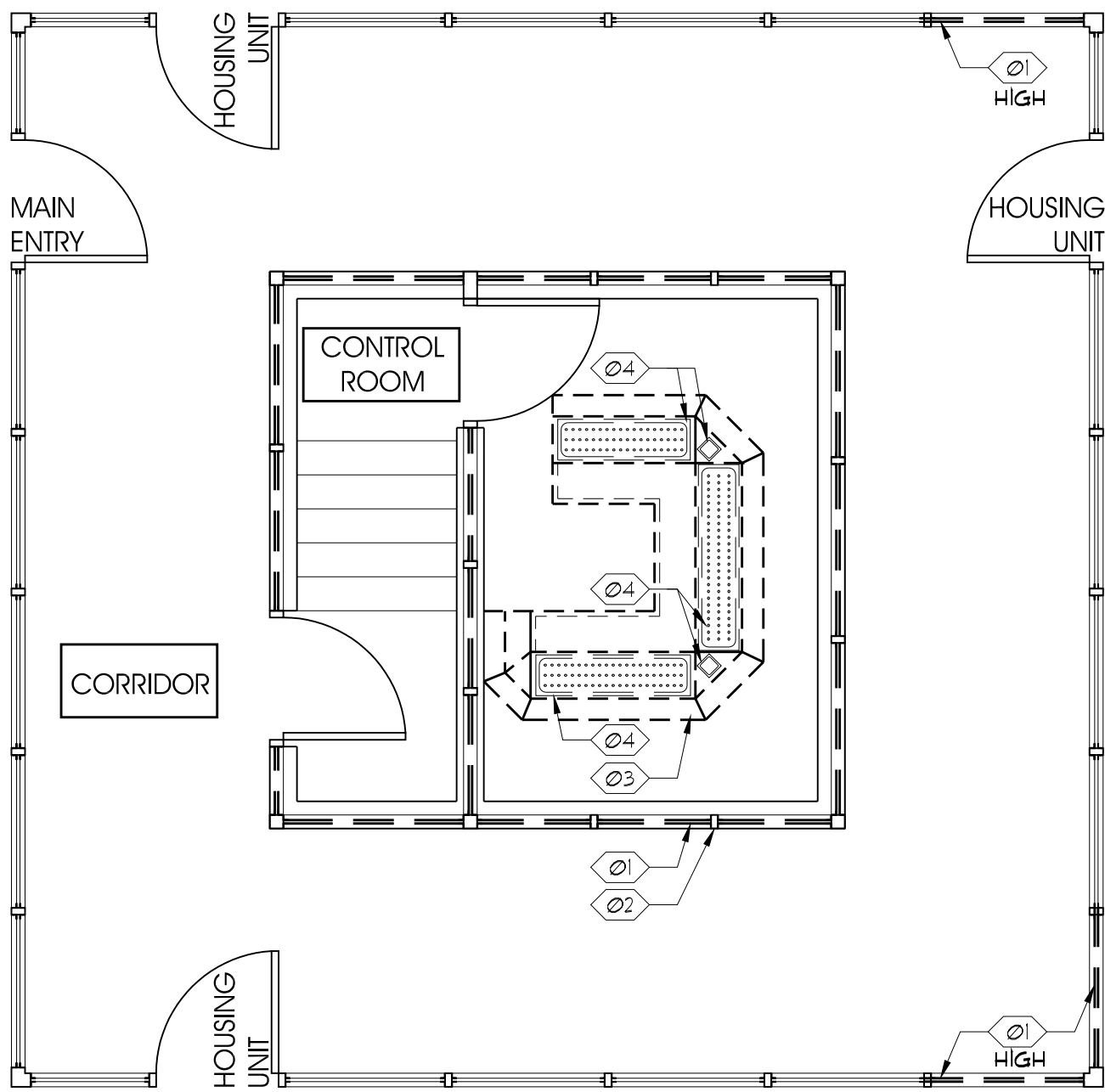
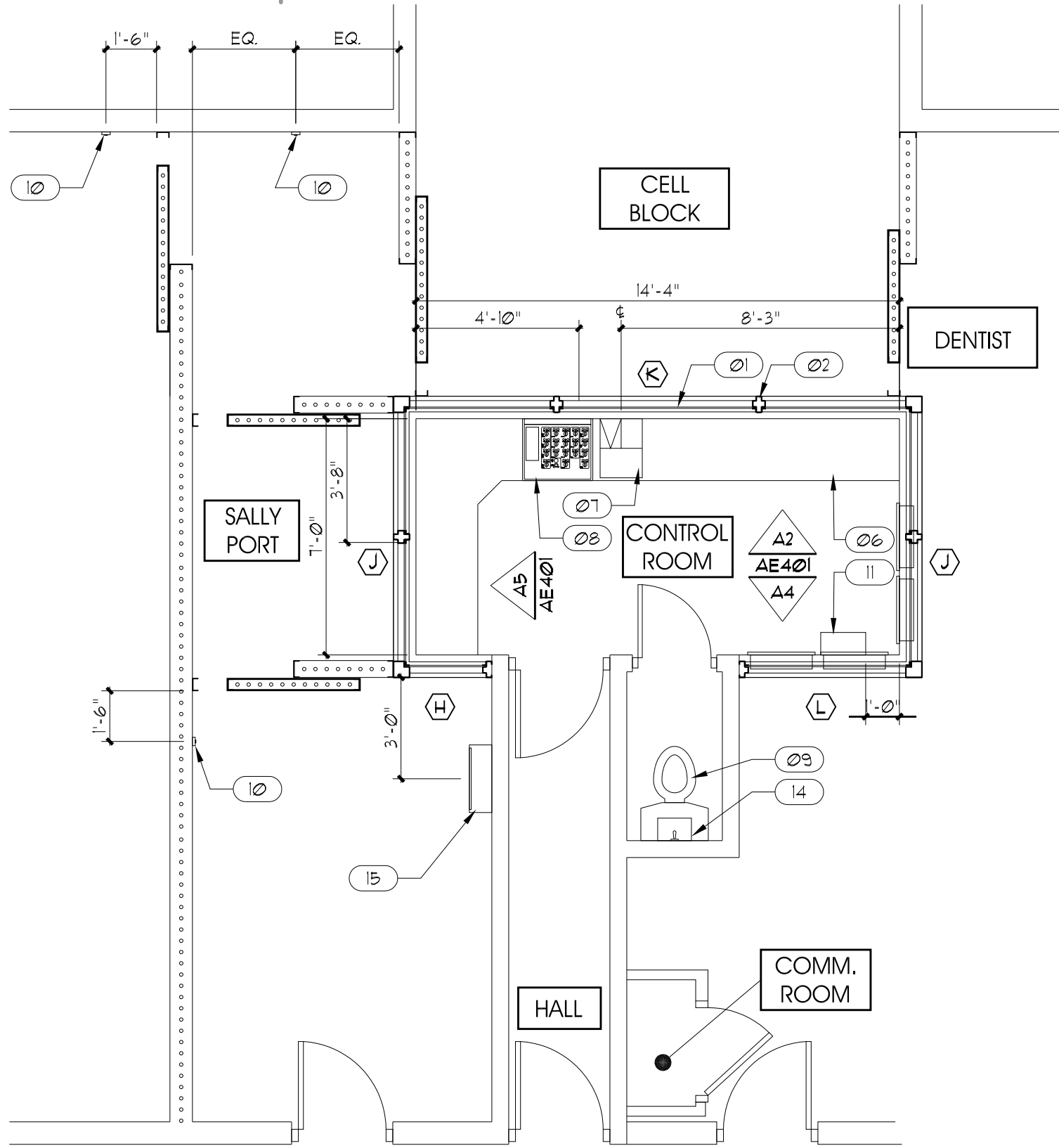
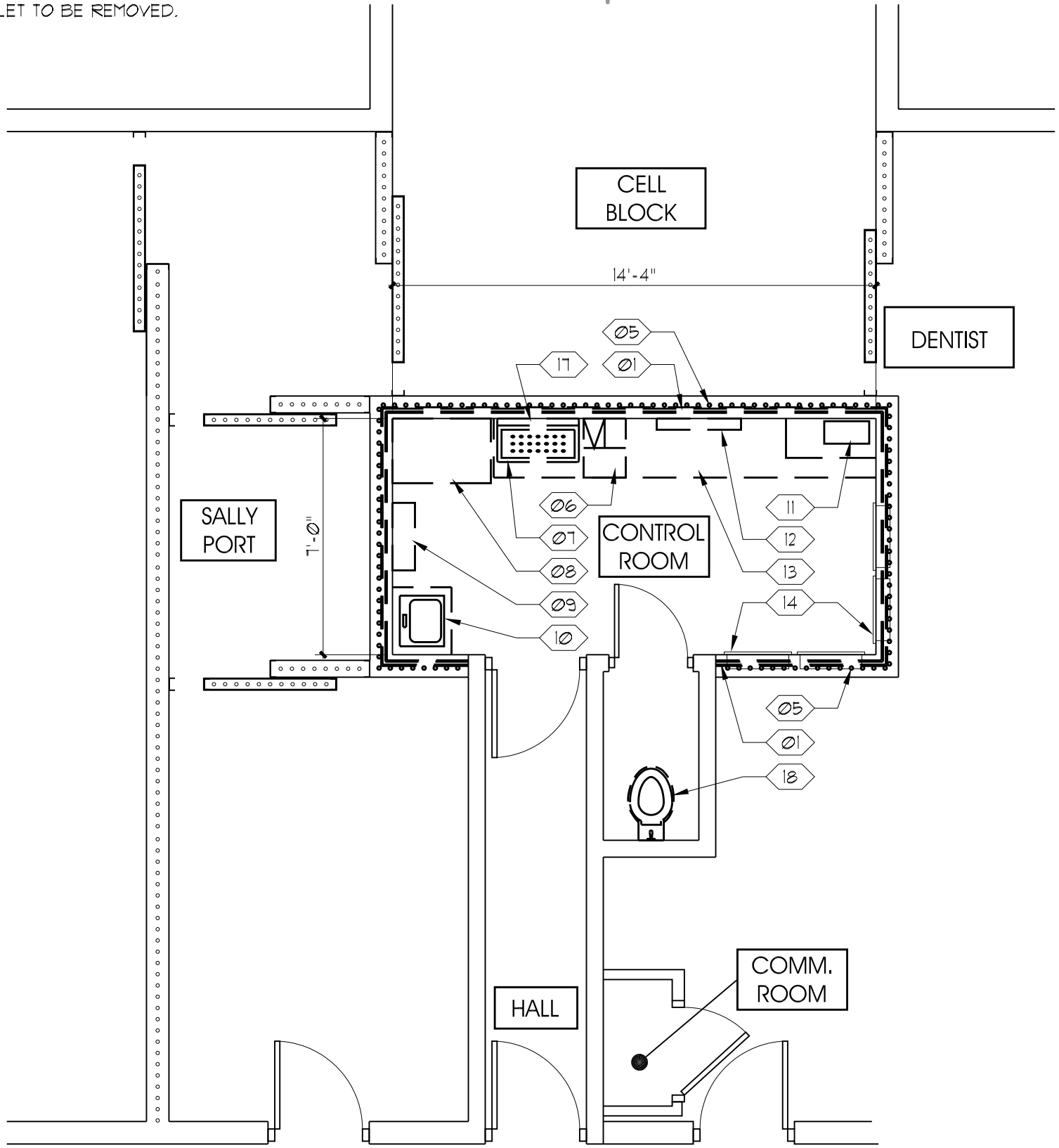
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GENERAL NOTES AND LEGEND:

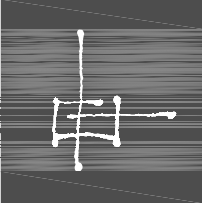
FOR SHEET AE101 ONLY.

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- EXISTING FLOOR AND CEILING FINISHES TO REMAIN. REPAIR AND/OR PAINT ANY DAMAGE TO EXISTING SURFACES.
- GENERAL CONTRACTOR TO PROVIDE MILLWORK PHASING PLAN AS PART OF MILLWORK SHOP DRAWING SUBMITTAL.
- THESE FACILITIES TO REMAIN OPEN DURING DEMOLITION AND NEW CONSTRUCTION. ALL ELECTRICAL/DATA SYSTEMS WORK AND MILLWORK REMOVAL AND INSTALLATION TO BE COORDINATED SUCH THAT THE CONTROL ROOMS ARE FULLY OPERATIONAL DAILY BY THE END OF THE DAY SHIFT (6:00 A.M. TO 6:00 P.M.).
- G.C. TO COORDINATE ALL SYSTEM SHUT DOWNS WITH D.O.C. PERSONNEL.

NEW WINDOW - SEE INTERIOR ELEVATIONS SHEET AE401.



ARCHITECTAJC PROJECT # 0568



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OWNER INFORMATION

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Department of Administrative Services

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4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
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Internet: <http://www.dfcm.utah.gov>

PROJECT DESCRIPTION

UTAH STATE
PRISON
CONTROL ROOM
REMODEL
DRAPER, UTAH

SHEET NAME:

UINTA, OQUIRRH,
& VISITATION ROOM
DEMOLITION AND NEW
CONSTRUCTION
FLOOR PLANS

REVISIONS

MARK	DATE	DESCRIPTION
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ISSUE DATA

ISSUE DATE:	FEBRUARY 2006
ISSUE TYPE:	CONDOC
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DFCM PROJECT #	05032100
COPYRIGHT:	STATE OF UTAH

SHEET NUMBER:

AE101

1

2

3

4

5

KEYED NOTE LEGEND - ELEVATION:
*FOR SHEET AE401 ONLY.

Ø1

NEW 1/2" LEXGARD MPC 500 GLAZING. SEE WINDOW ELEVATION FOR LOCATIONS.

Ø2

RESTRAINT CABINET.

Ø3

NEW P-LAM MILLWORK. DEMO EXISTING MILLWORK. PROTECT EXISTING CONTROL PANELS FOR RE-USE.

Ø4

EXISTING CONCRETE STEM WALL TO REMAIN.

Ø5

NEW STEEL FRAME.

Ø6

P-LAM DRAWERS.

Ø7

P-LAM COUNTER.

Ø8

P-LAM SHELF.

Ø9

4" TOE KICK.

10

P-LAM COUNTER TOP SUPPORT BRACKET.

11

RELOCATED BLOWER CONTROL. NEW CEILING MOUNTED LOCATION.

12

EXISTING CEILING MOUNTED SHELF.

NOTE:

ALL HOLLOW METAL FRAMES ARE TO BE SOLID GROUTED.

INDICATES LOCATION OF NEW 1/2" LEXAN MP1 GLAZING. GLAZING TO RECEIVE SURFACE APPLIED FILM TINT - LLUMAR R-15G SR CDF (GRAY) OR EQUAL. VERIFY SIDE OF GLASS WITH PRISON PERSONNEL.

GENERAL NOTES AND LEGEND:
*FOR SHEET AE401 ONLY.

SEE SHEET G1002 FOR GENERAL NOTES.

SEE COVER SHEET FOR DRAWING INDEX.

DO NOT SCALE DRAWINGS.

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

EXISTING FLOOR AND CEILING FINISHES TO REMAIN. REPAIR AND/OR PAINT ANY DAMAGE TO EXISTING SURFACES.

GENERAL CONTRACTOR TO PROVIDE MILLWORK PHASING PLAN AS PART OF MILLWORK SHOP DRAWING SUBMITTAL.

THESE FACILITIES TO REMAIN OPEN DURING DEMOLITION AND NEW CONSTRUCTION. ALL ELECTRICAL/DATA SYSTEMS WORK AND MILLWORK REMOVAL AND INSTALLATION TO BE COORDINATED SUCH THAT THE CONTROL ROOMS ARE FULLY OPERATIONAL DAILY BY THE END OF THE DAY SHIFT (6:00 A.M. TO 6:00 P.M.).

G.C. TO COORDINATE ALL SYSTEM SHUT DOWNS WITH D.O.C. PERSONNEL.

INDICATES EXISTING GLAZING TO REMAIN.

D

D

C

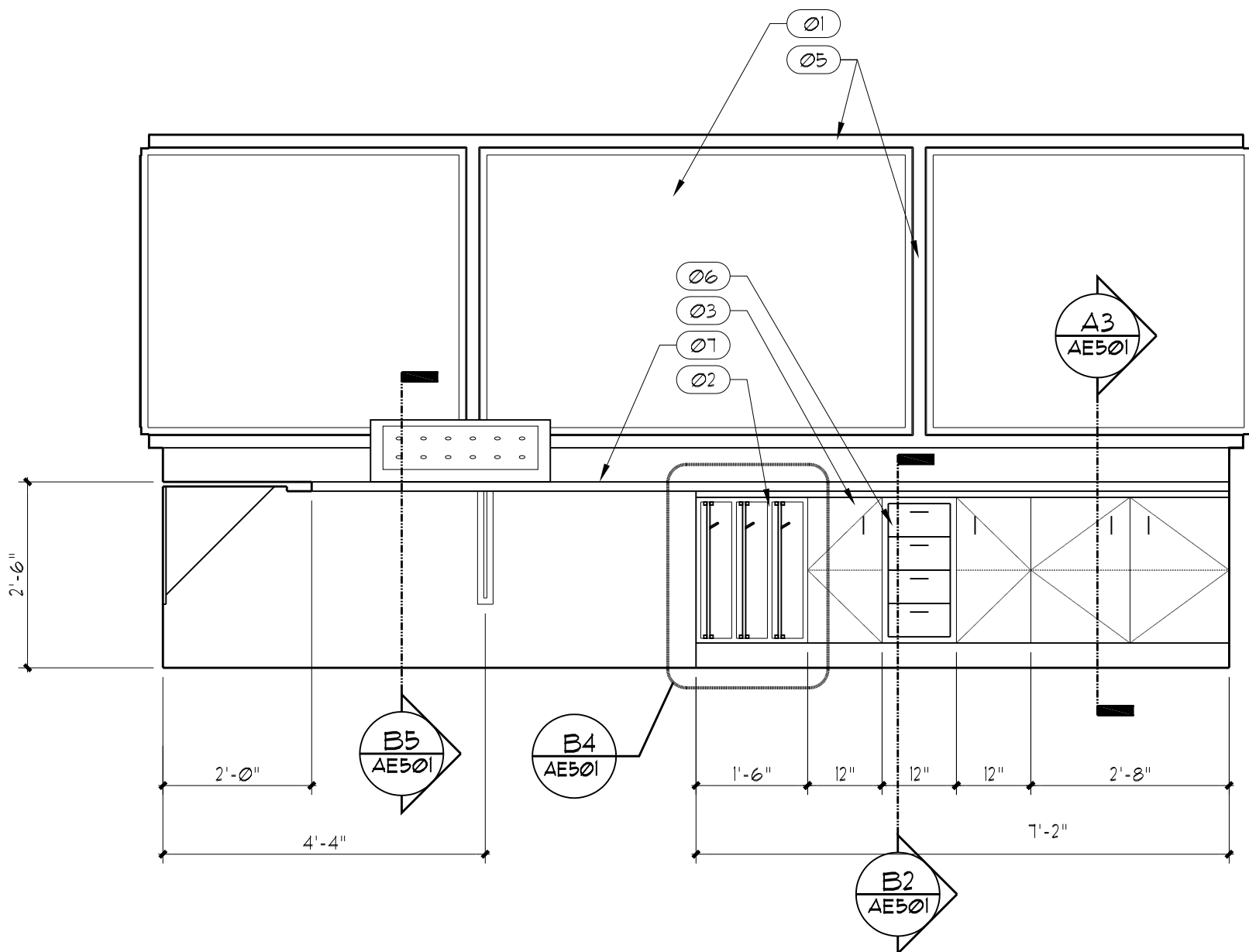
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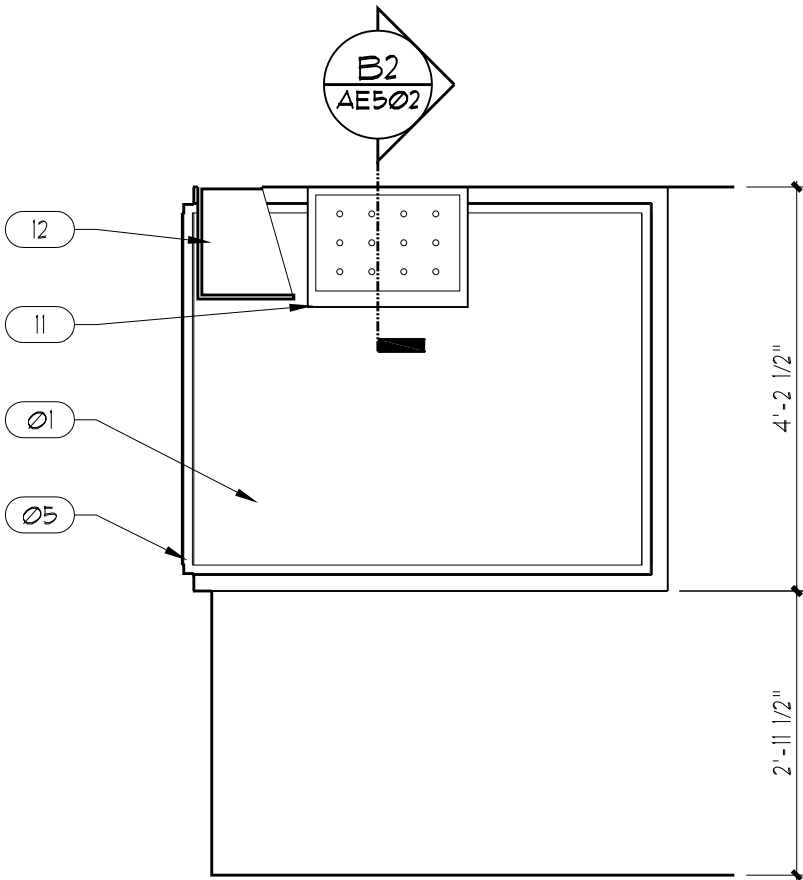
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UINTA INTERIOR ELEVATION

SCALE: 1/2" = 1'-0"

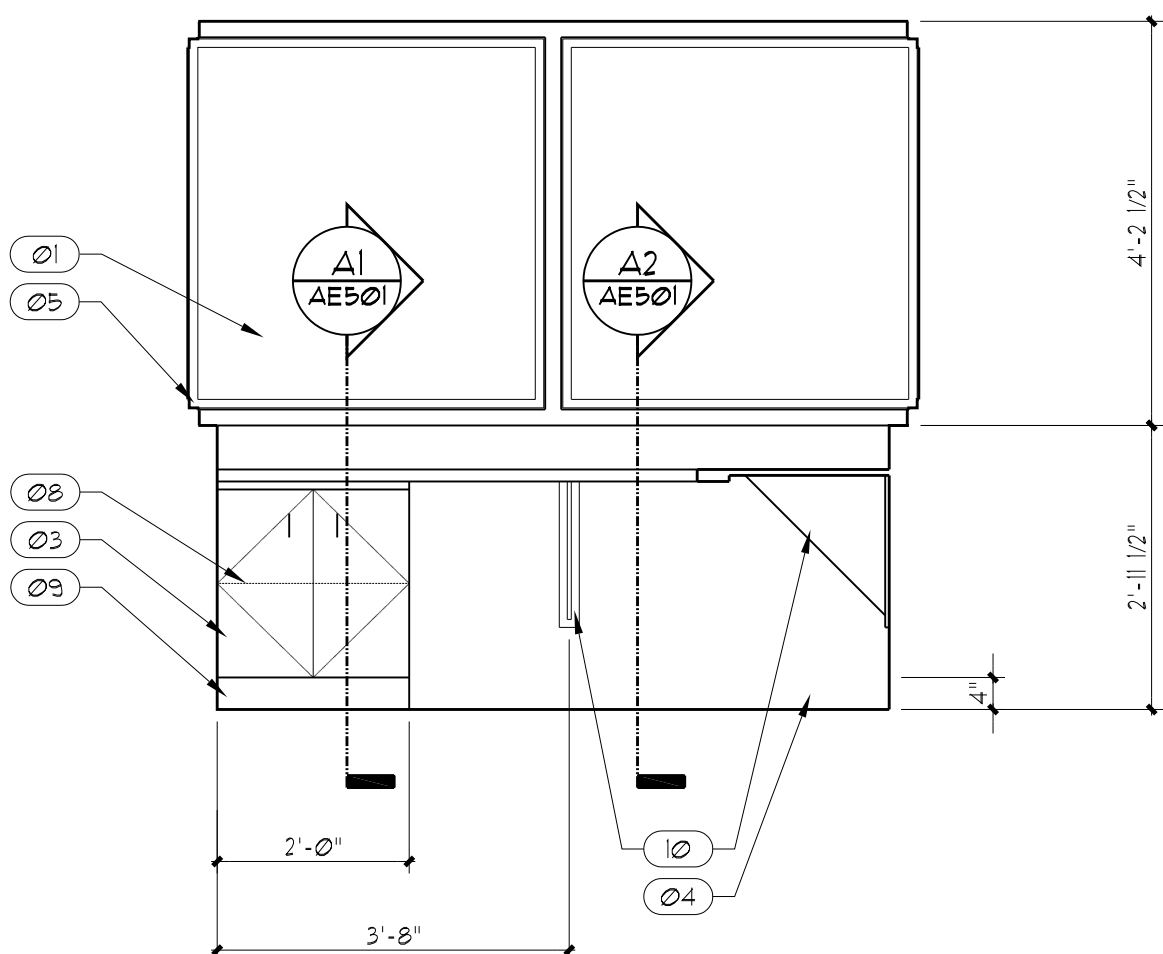
A2
AE401



UINTA INTERIOR ELEVATION

SCALE: 1/2" = 1'-0"

A4
AE401

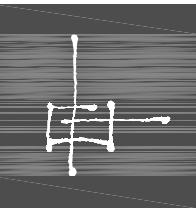


UINTA INTERIOR ELEVATION

SCALE: 1/2" = 1'-0"

A5
AE401

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DRAPER, UTAH

SHEET NAME:

UINTA CONTROL ROOM
INTERIOR & WINDOW
ELEVATIONS

REVISIONS

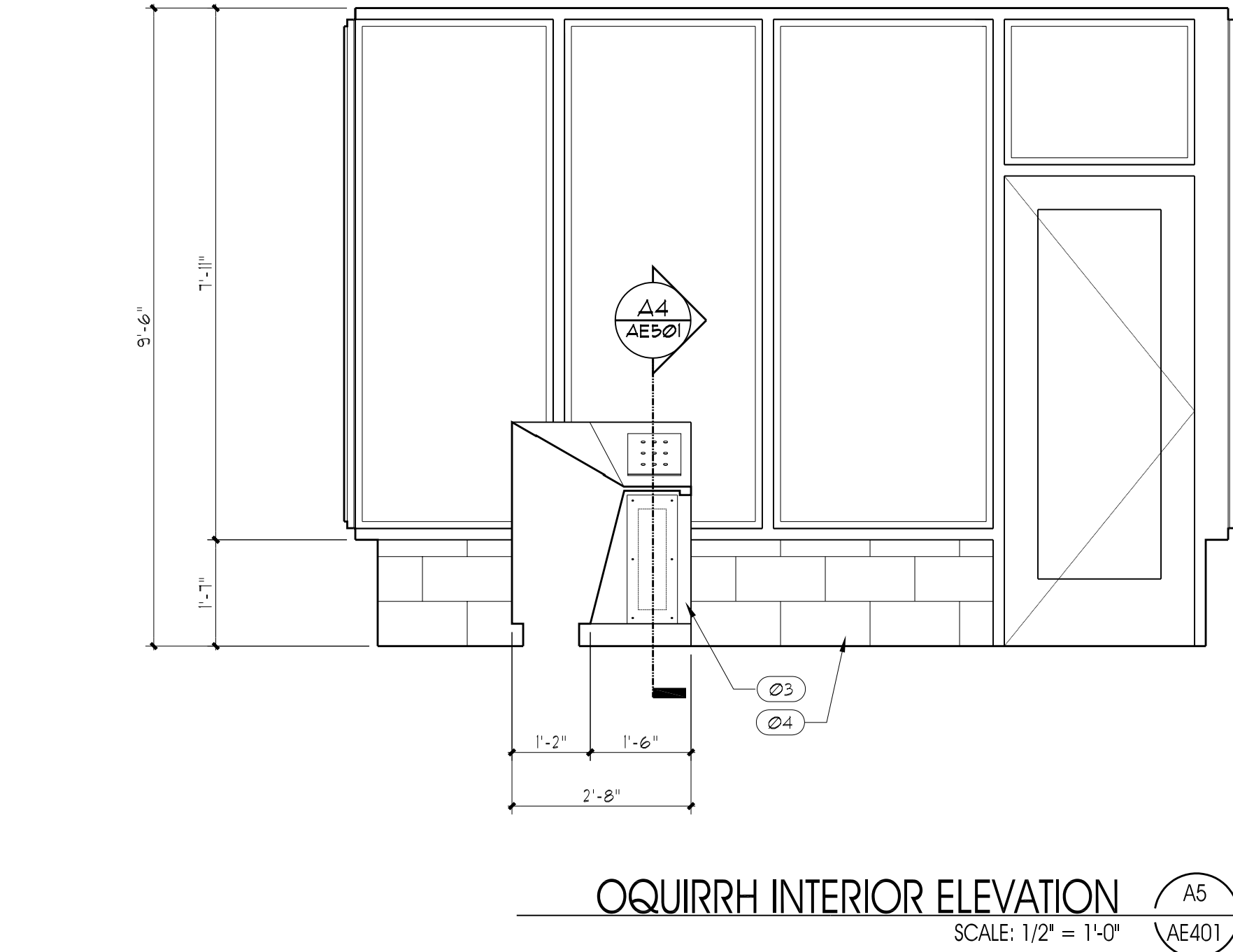
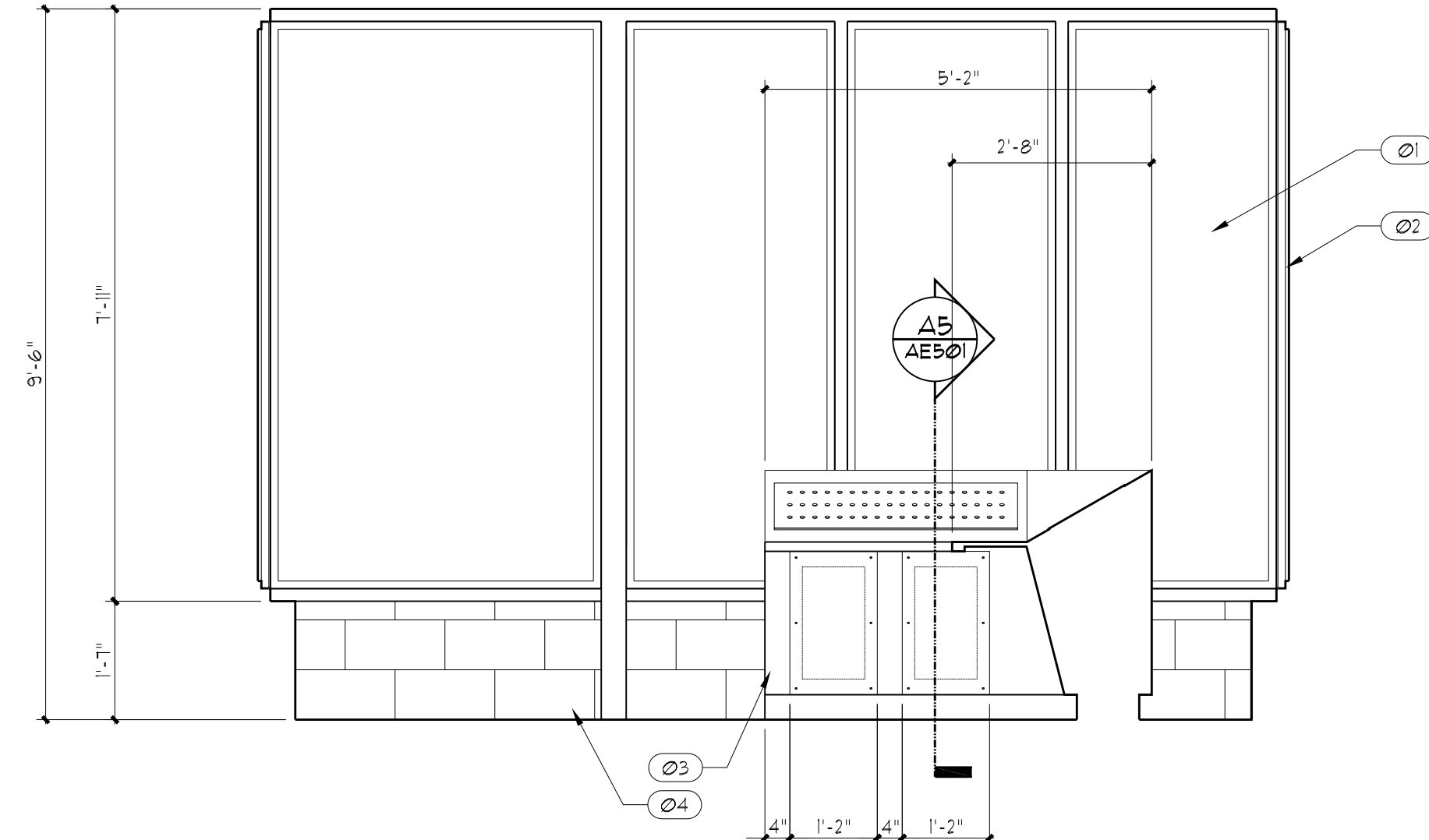
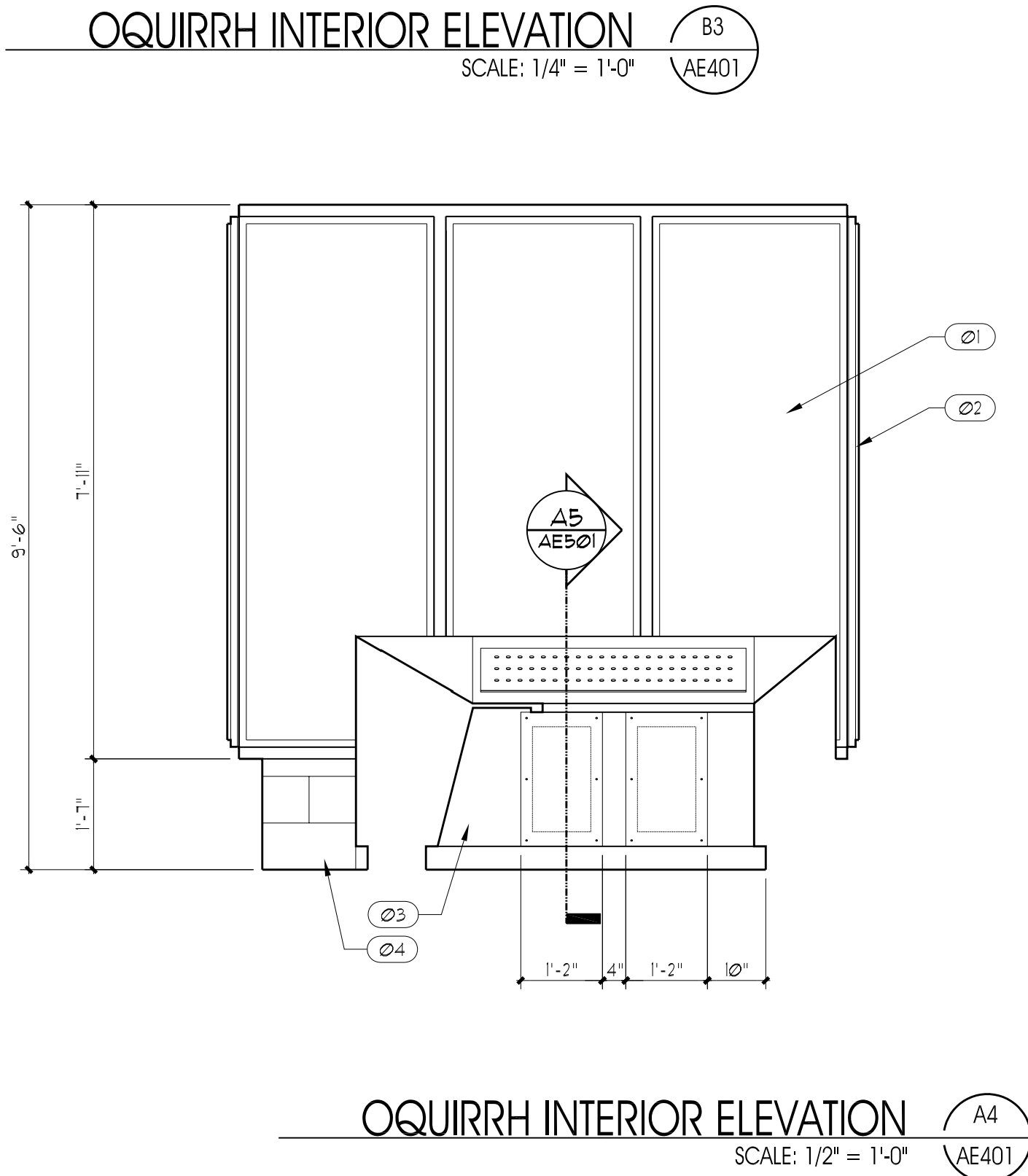
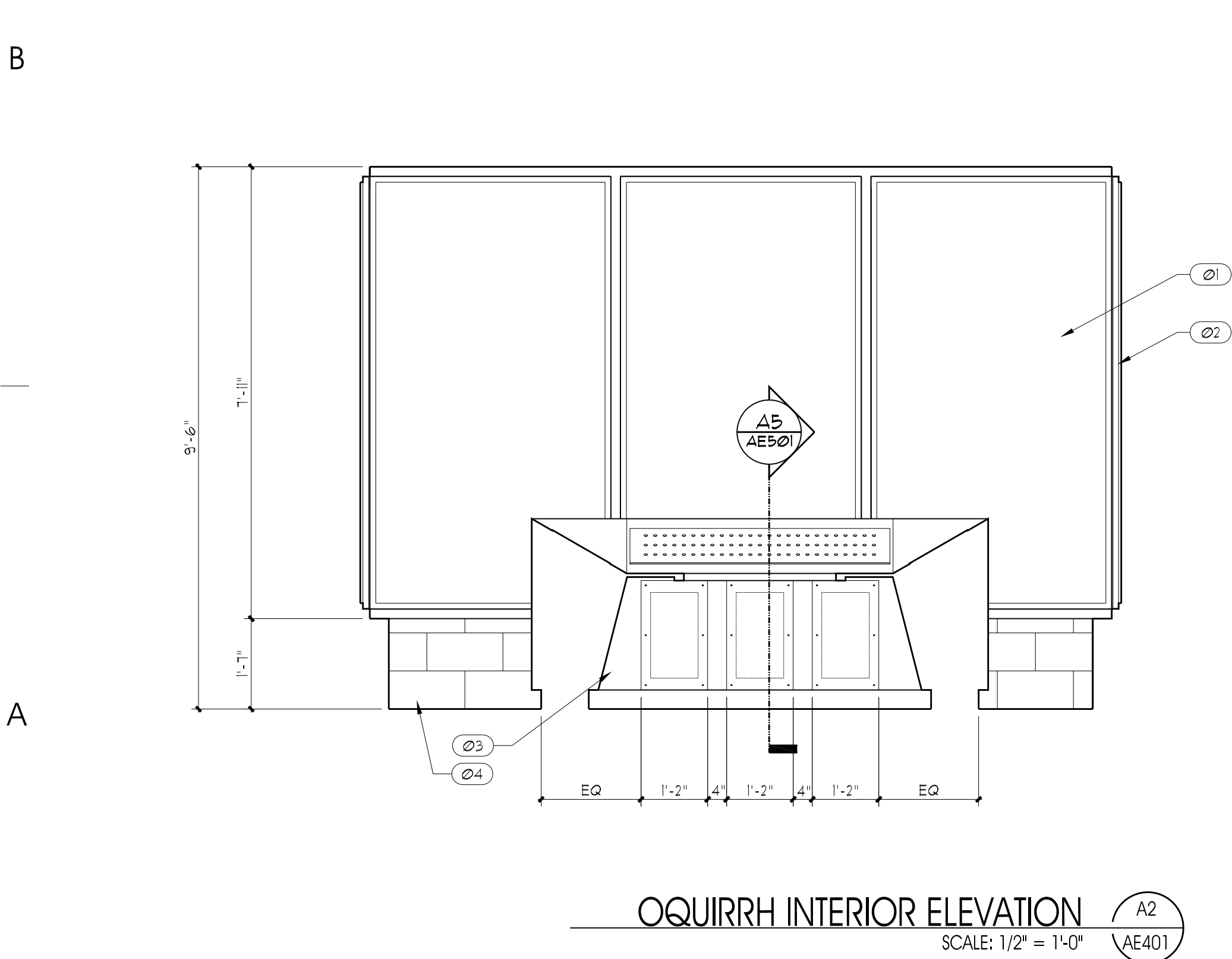
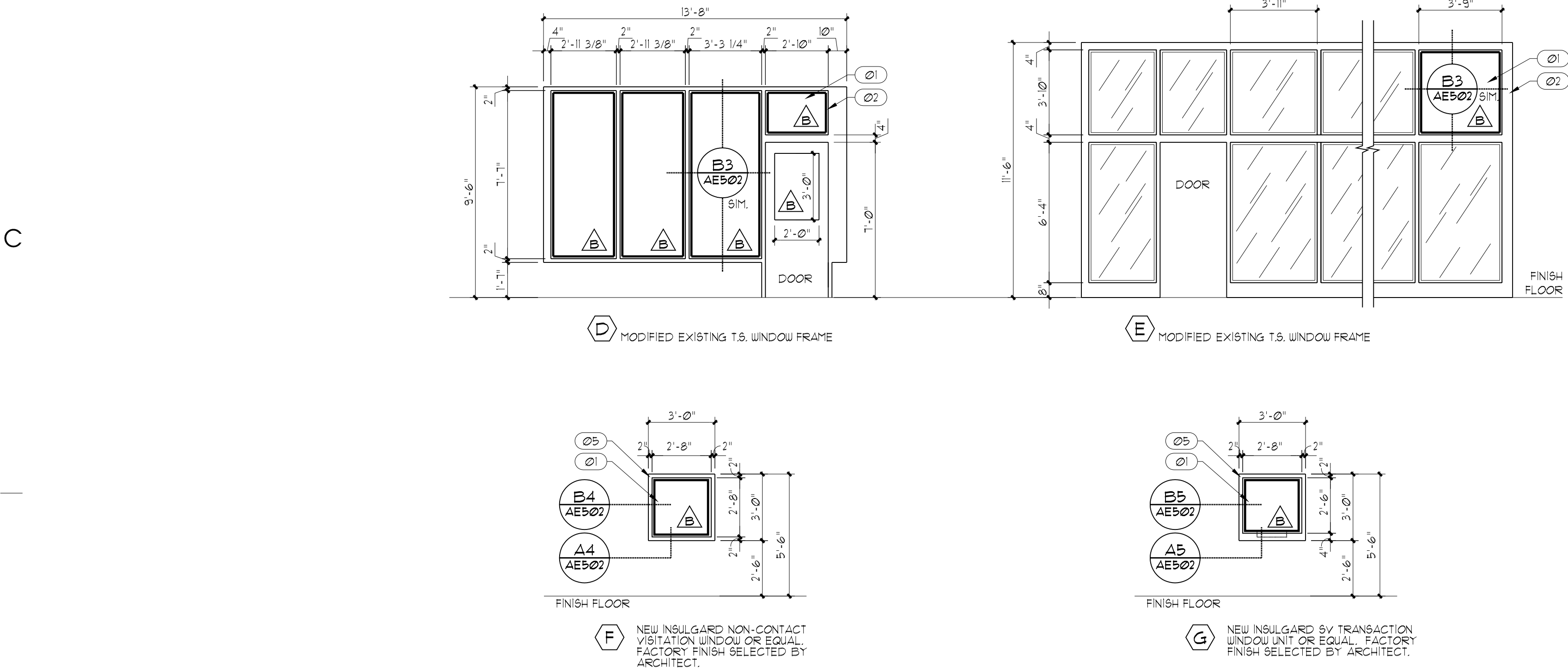
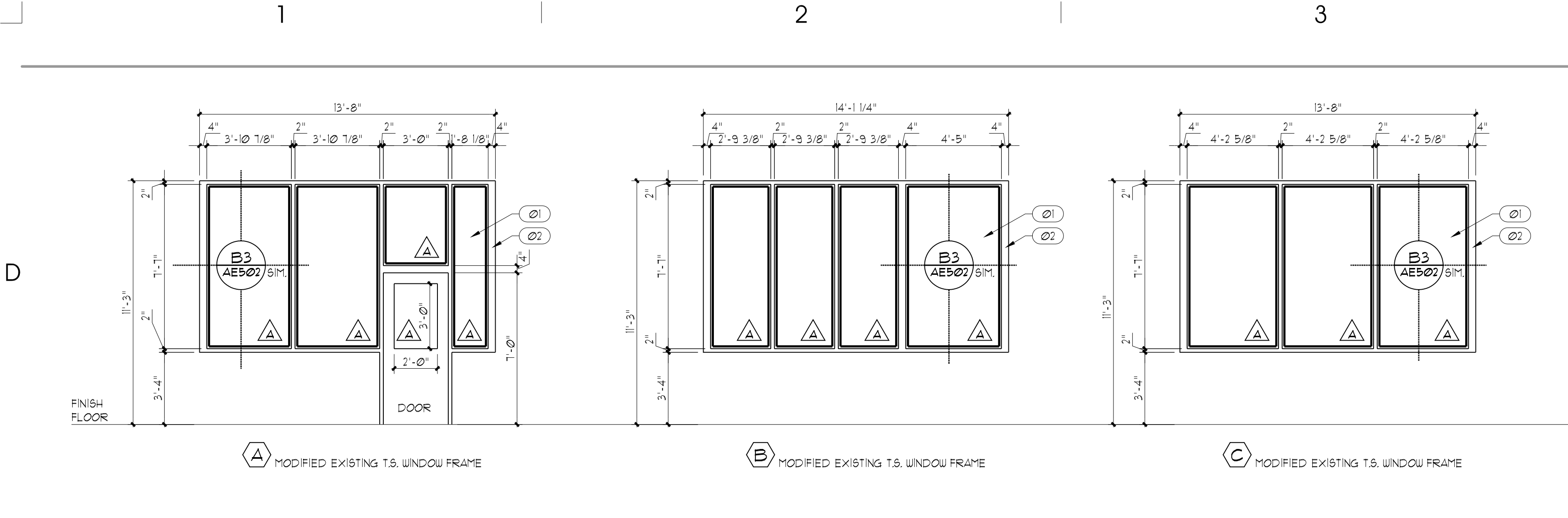
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QOIRRH CONTROL & VISITATION ROOMS INTERIOR & WINDOW ELEVATIONS

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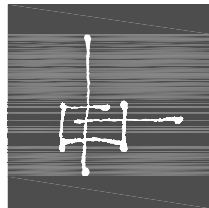
SHEET NUMBER:

AE402

GENERAL NOTES AND LEGEND:
FOR SHEET AE501 ONLY.

- SEE SHEET G1002 FOR GENERAL NOTES.
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- EXISTING FLOOR AND CEILING FINISHES TO REMAIN. REPAIR AND/OR PAINT ANY DAMAGE TO EXISTING SURFACES.
- GENERAL CONTRACTOR TO PROVIDE MILLWORK PHASING PLAN AS PART OF MILLWORK SHOP DRAWING SUBMITTAL.
- THESE FACILITIES TO REMAIN OPEN DURING DEMOLITION AND NEW CONSTRUCTION. ALL ELECTRICAL/DATA SYSTEMS WORK AND MILLWORK REMOVAL AND INSTALLATION TO BE COORDINATED SUCH THAT THE CONTROL ROOMS ARE FULLY OPERATIONAL DAILY BY THE END OF THE DAY SHIFT (6:00 A.M. TO 6:00 P.M.)
- G.C. TO COORDINATE ALL SYSTEM SHUT DOWNS WITH D.O.C. PERSONNEL.
- G.C. TO COORDINATE BLOCKOUTS IN MILLWORK AS REQUIRED FOR EXISTING/ NEW WIRING AND CONTROL PANELS.

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PROJECT DESCRIPTION

**UTAH STATE PRISON
CONTROL ROOM
REMODEL**
DRAPER, UTAH

SHEET NAME:

**MILLWORK SECTION,
ELEVATIONS, AND
DETAILS**

REVISIONS

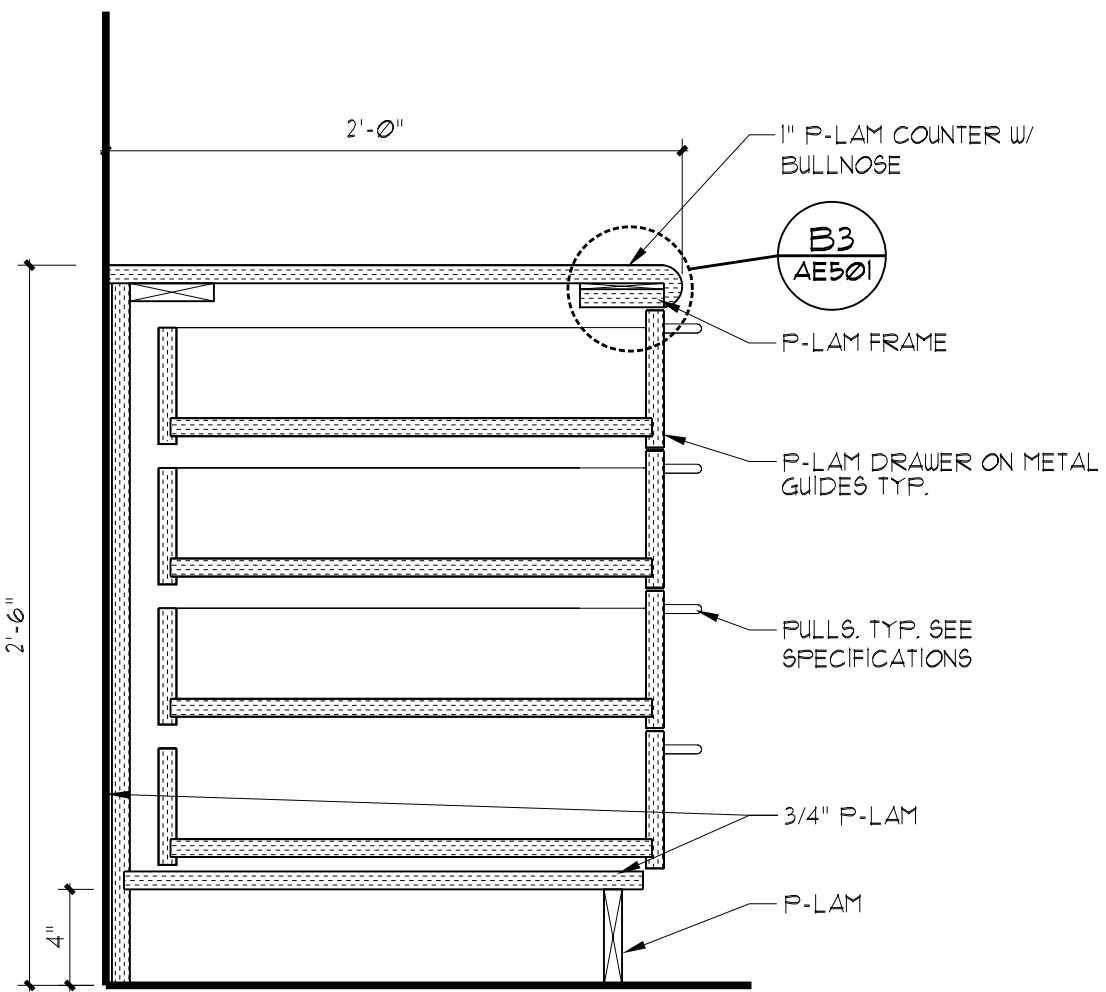
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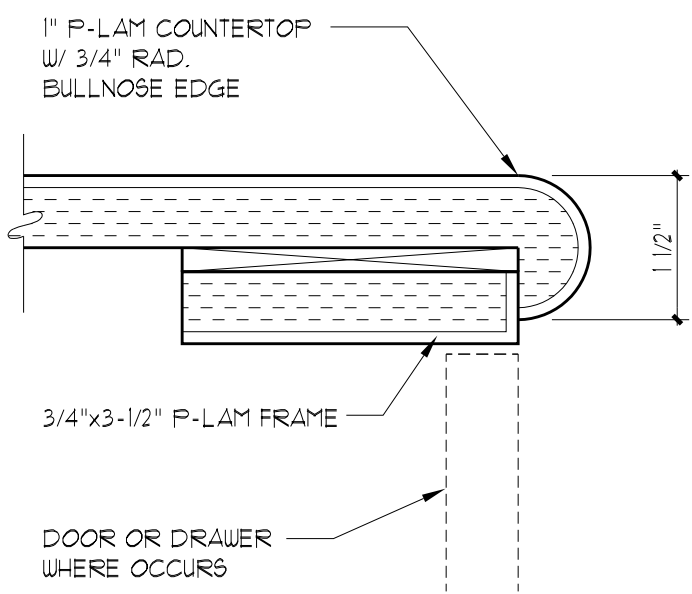
ISSUE DATE:	FEBRUARY 2006
ISSUE TYPE:	CONDOC
DRAWN BY:	DSW
CHECKED BY:	KRR
CAD FILE NAME:	0568AAE101
DFCM PROJECT #	05032100
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SHEET NUMBER:

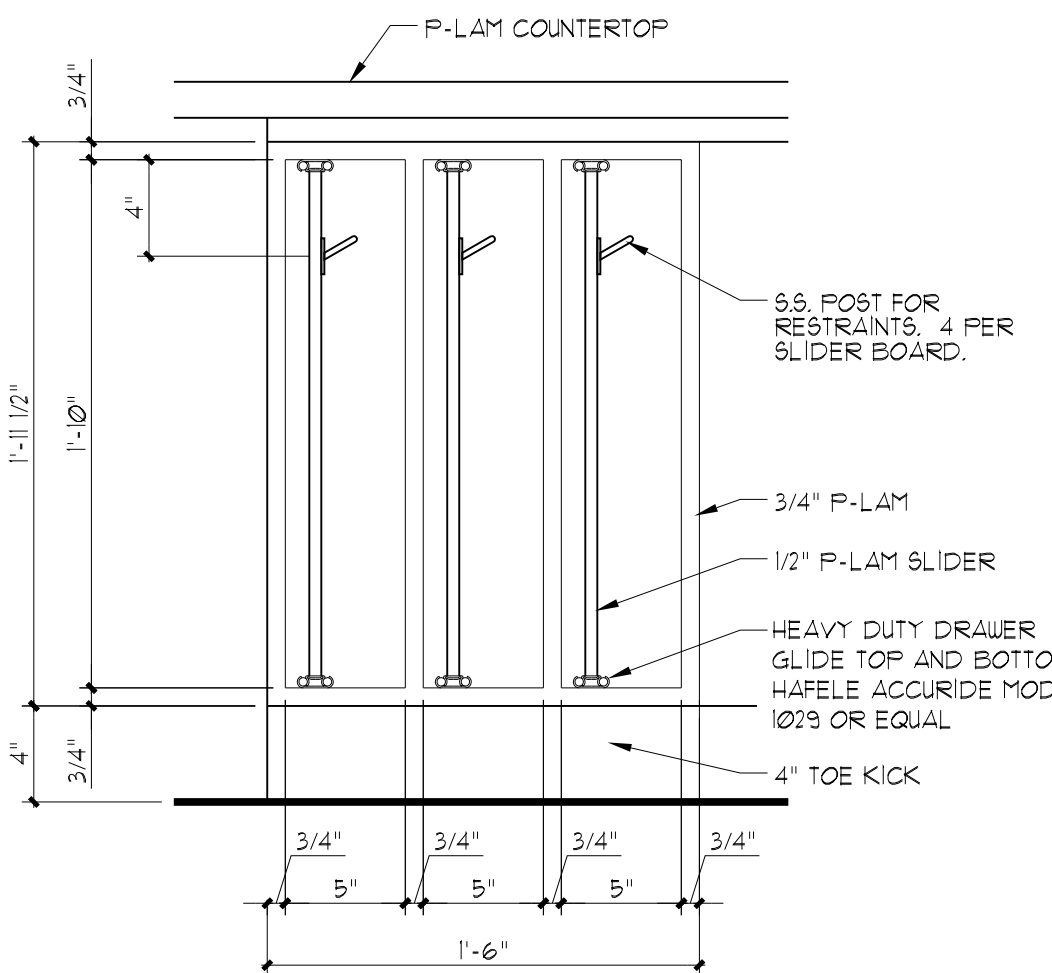
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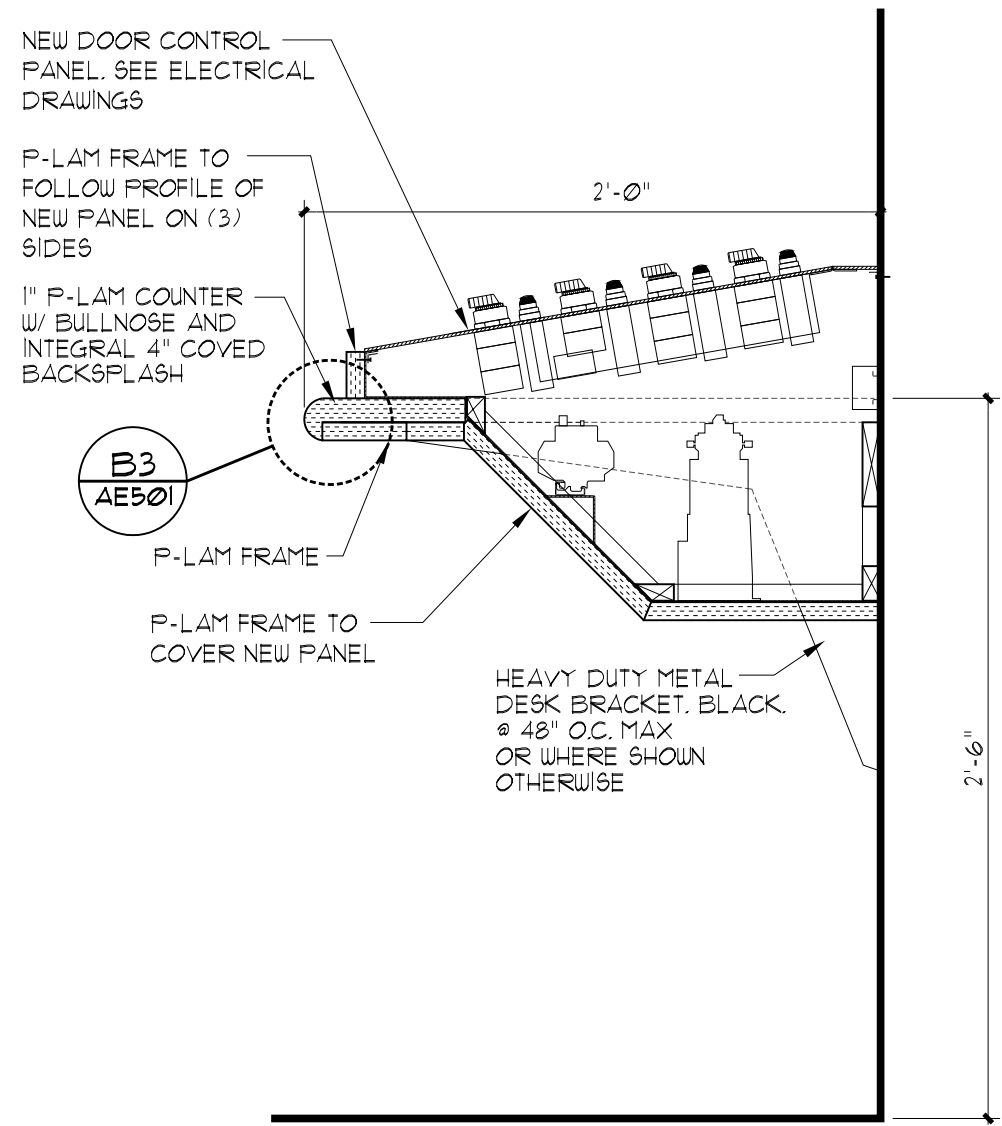
UINTA MILLWORK SECTION B2
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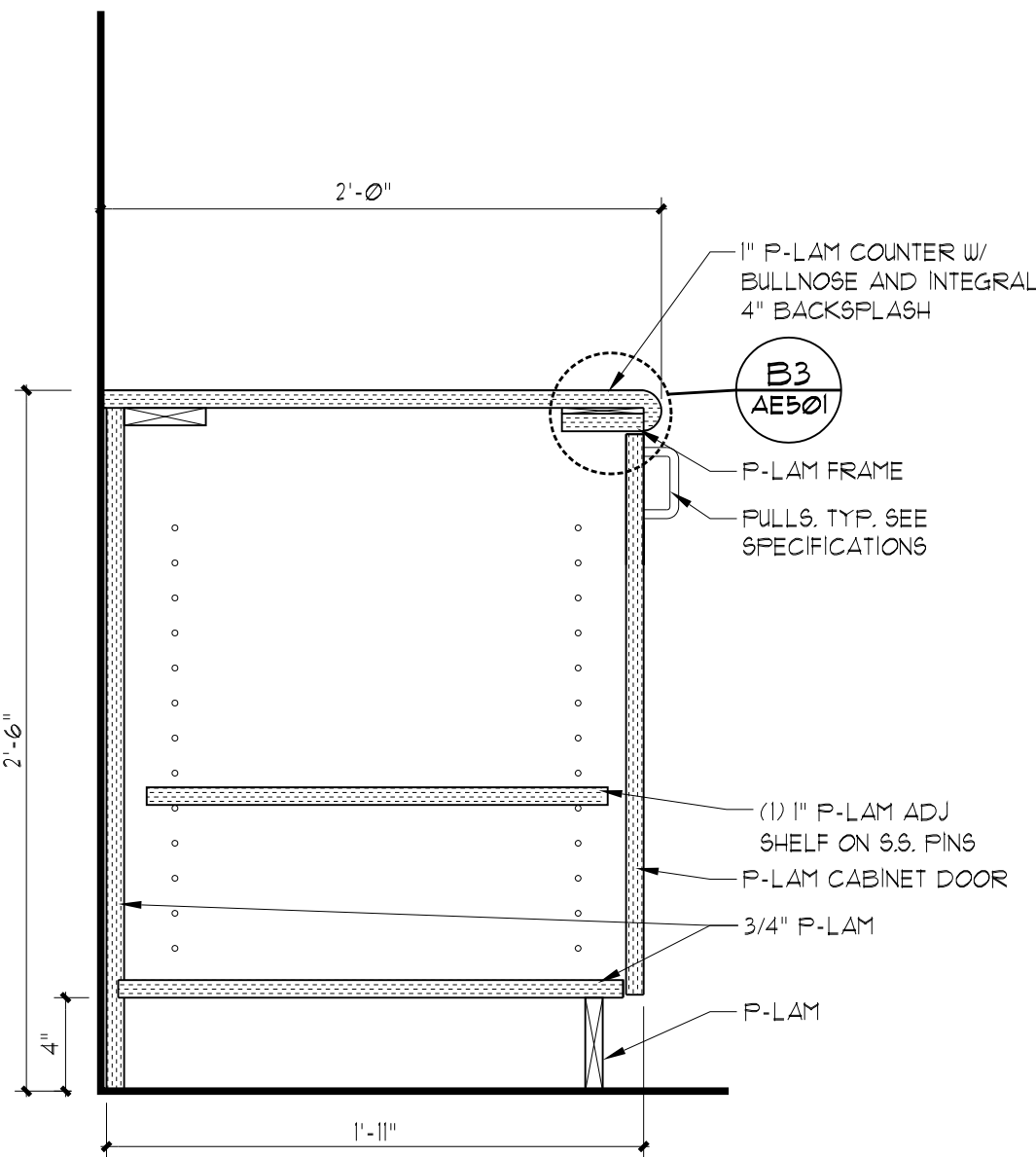
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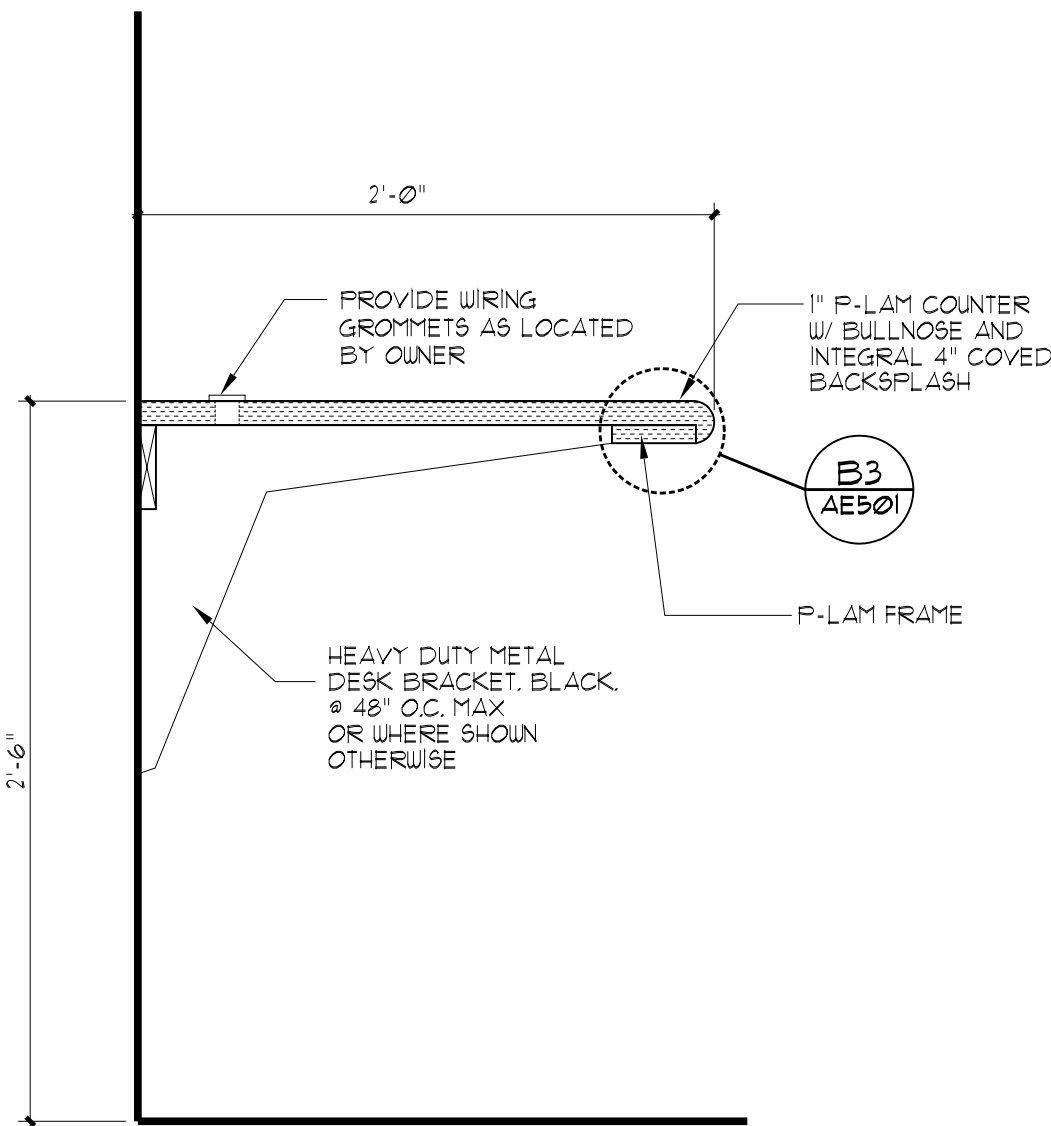
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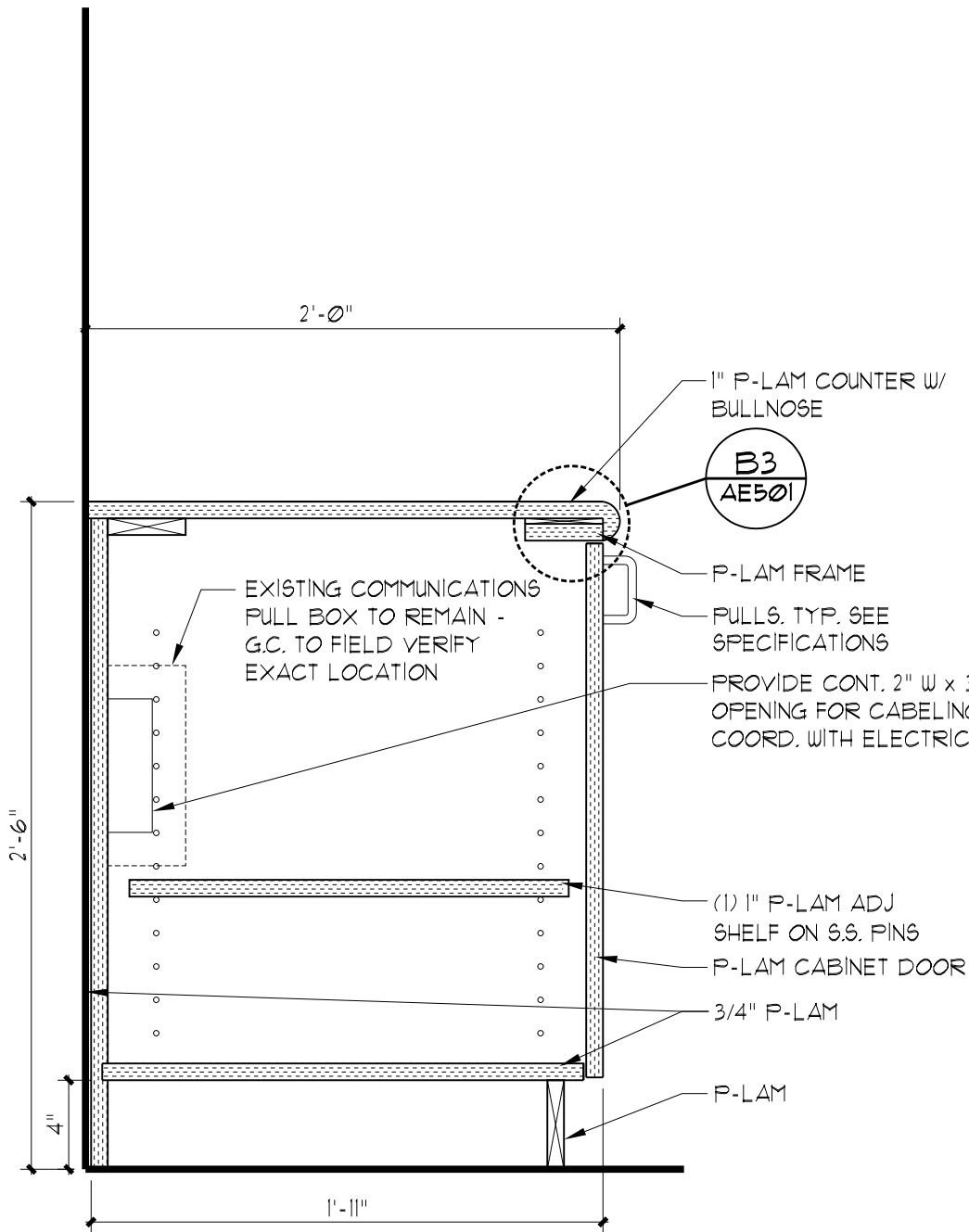
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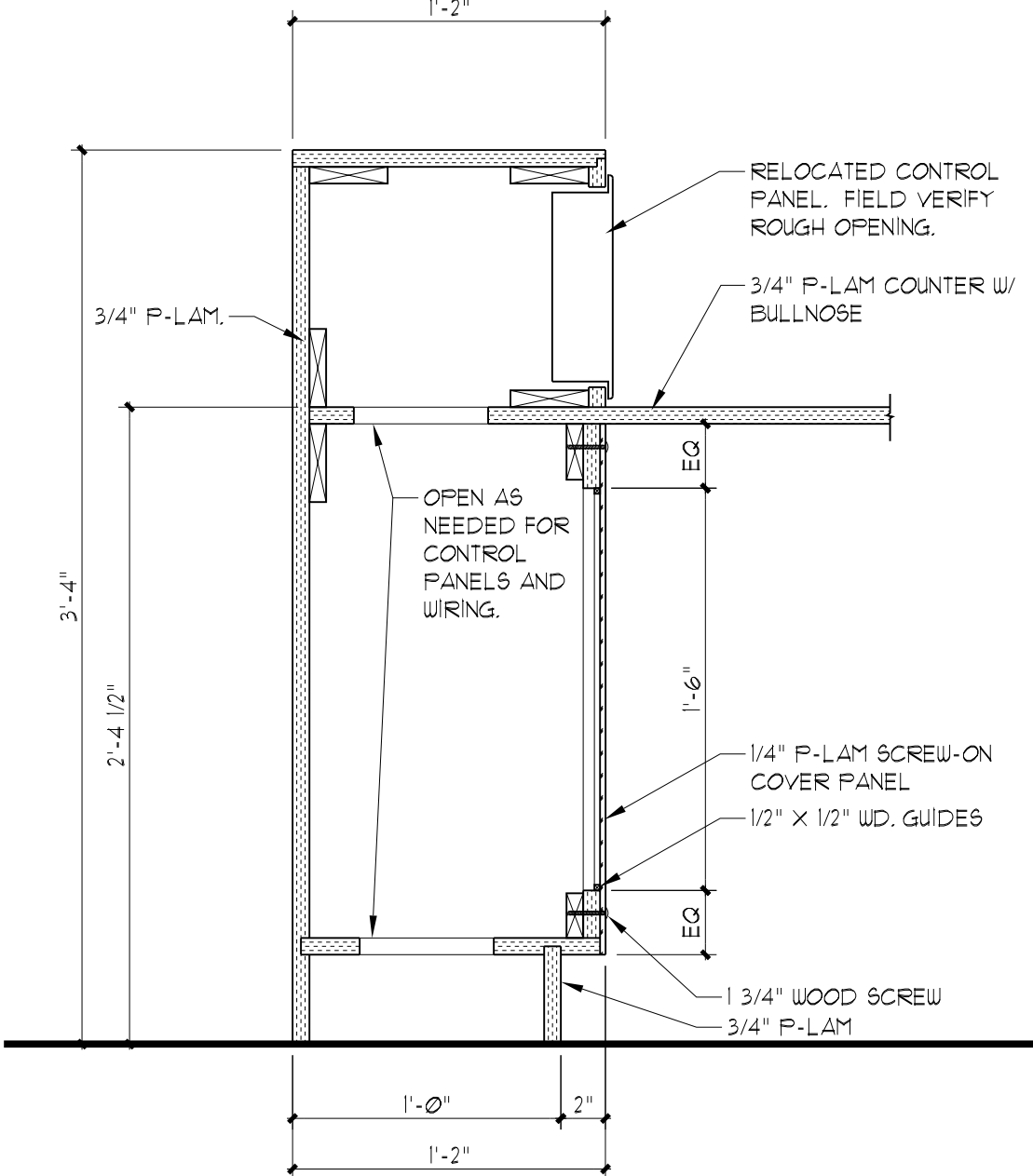
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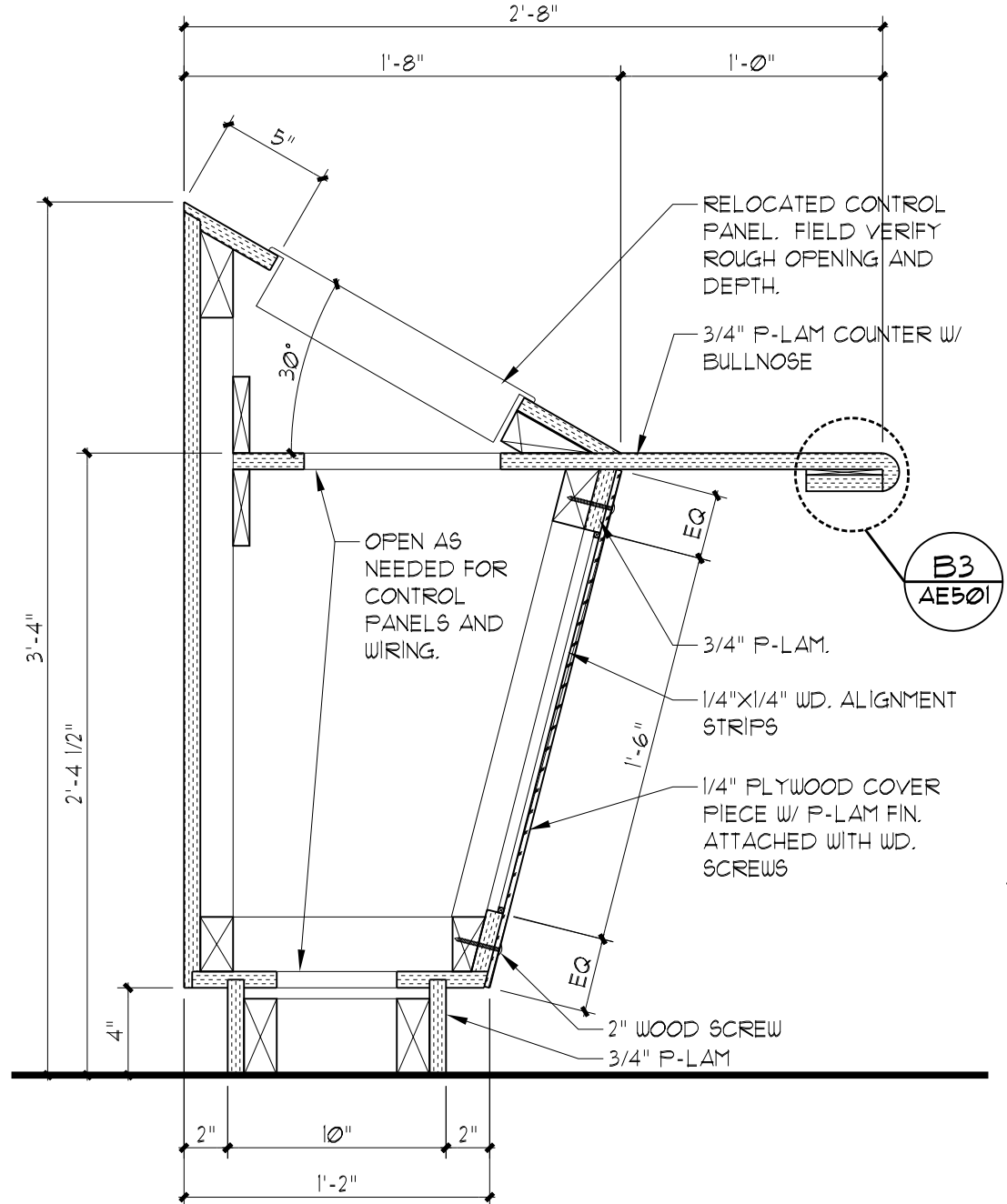
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UINTA MILLWORK SECTION A3
SCALE: 1 1/2" = 1'-0"



OQUIRRH MILLWORK SECTION A4
SCALE: 1 1/2" = 1'-0"



OQUIRRH MILLWORK SECTION A5
SCALE: 1 1/2" = 1'-0"

GENERAL NOTES AND LEGEND:

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- EXISTING FLOOR AND CEILING FINISHES TO REMAIN. REPAIR AND/OR PAINT ANY DAMAGE TO EXISTING SURFACES.
- GENERAL CONTRACTOR TO PROVIDE MILLWORK PHASING PLAN AS PART OF MILLWORK SHOP DRAWING SUBMITTAL.
- THESE FACILITIES TO REMAIN OPEN DURING DEMOLITION AND NEW CONSTRUCTION. ALL ELECTRICAL/DATA SYSTEMS WORK AND MILLWORK REMOVAL AND INSTALLATION TO BE COORDINATED SUCH THAT THE CONTROL ROOMS ARE FULLY OPERATIONAL DAILY BY THE END OF THE DAY SHIFT (6:00 A.M. TO 6:00 P.M.)
- G.C. TO COORDINATE ALL SYSTEM SHUT DOWNS WITH D.O.C. PERSONNEL.
- G.C. TO COORDINATE BLOCKOUTS IN MILLWORK AS REQUIRED FOR EXISTING/ NEW WIRING AND CONTROL PANELS.

ARCHITECTAJC PROJECT # 0568

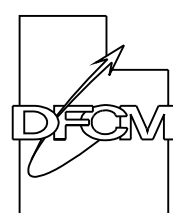


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PROJECT DESCRIPTION

UTAH STATE
PRISON
CONTROL ROOM
REMODEL
DRAPER, UTAH

SHEET NAME:

WINDOW, TRAY, AND
SHELF DETAILS

REVISIONS

MARK	DATE	DESCRIPTION
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ISSUE DATA

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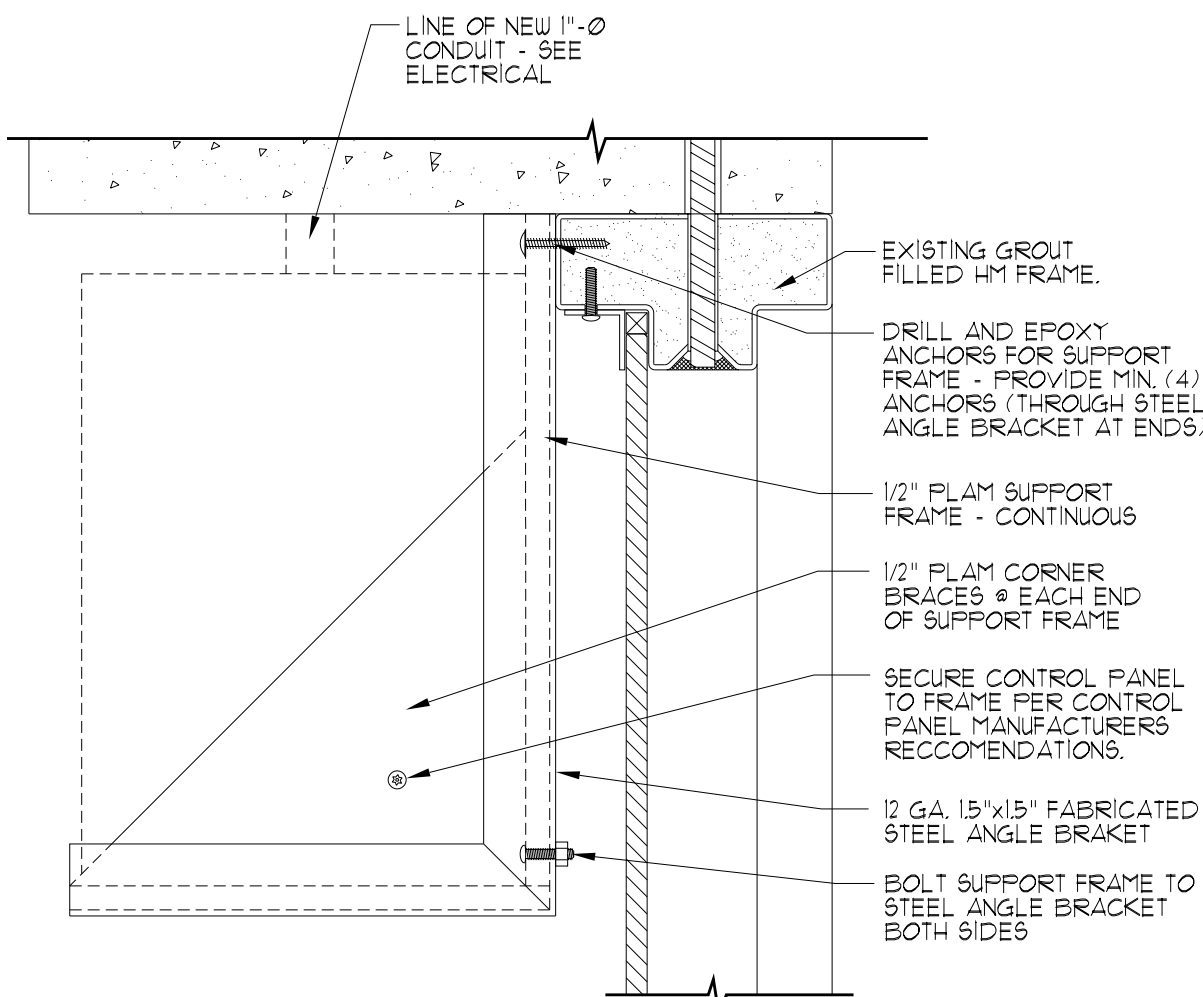
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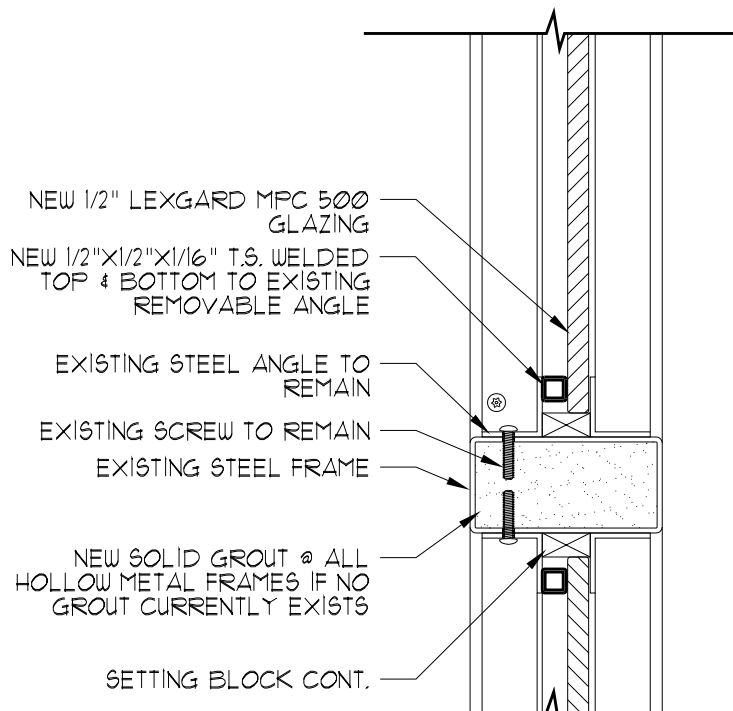
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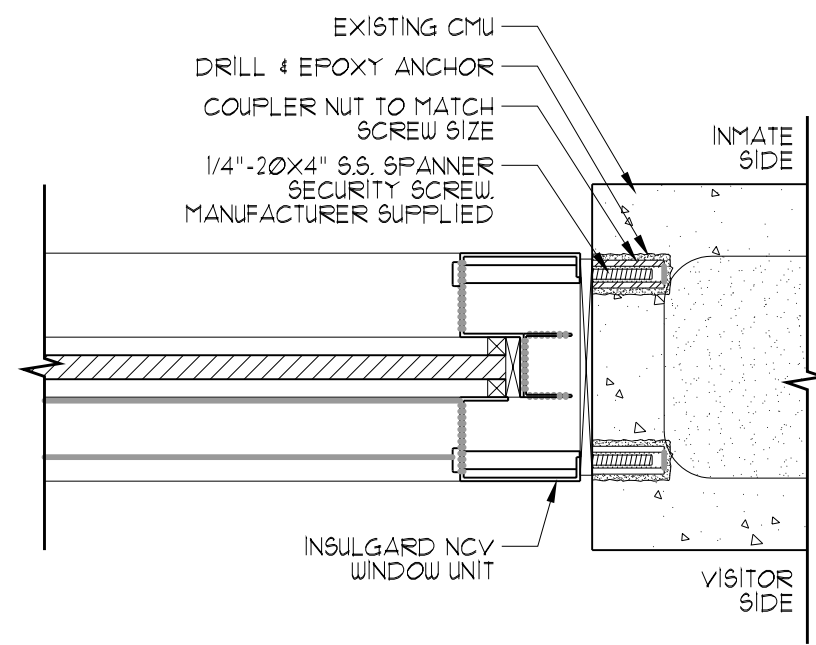
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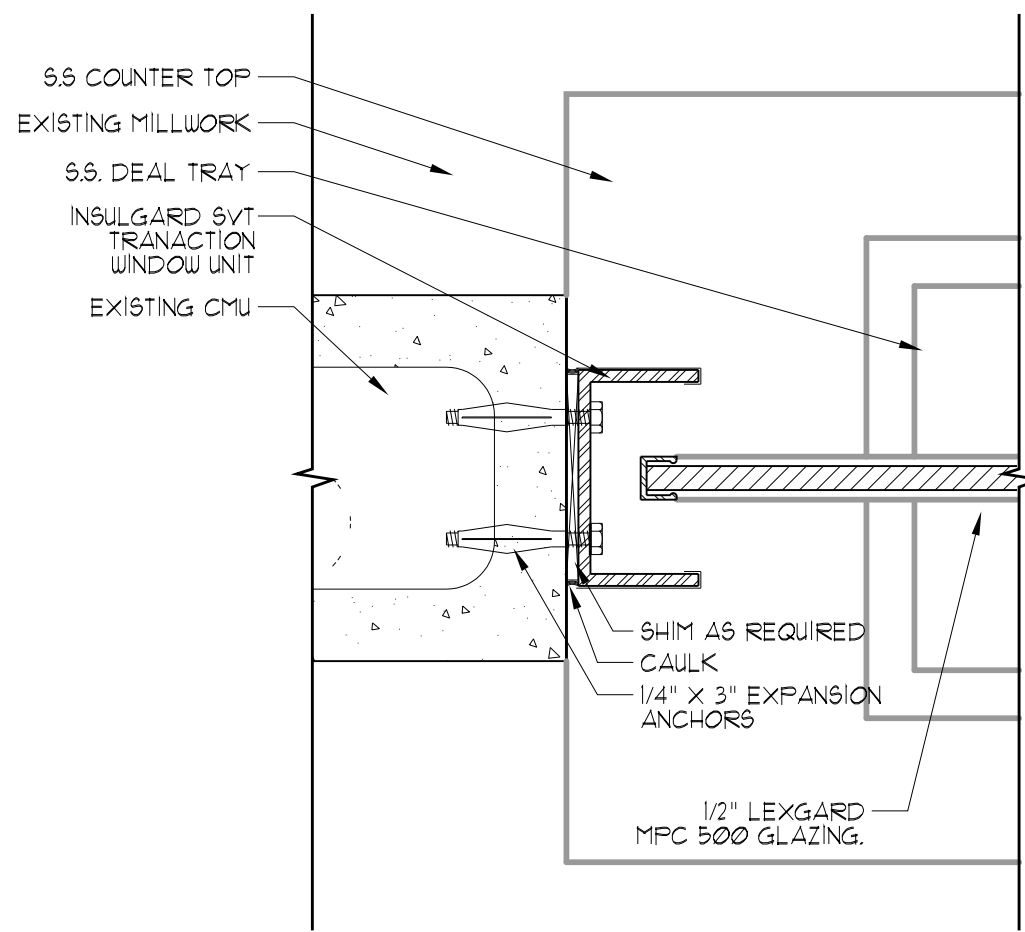
SHELF MOUNT / WINDOW DETAIL B2
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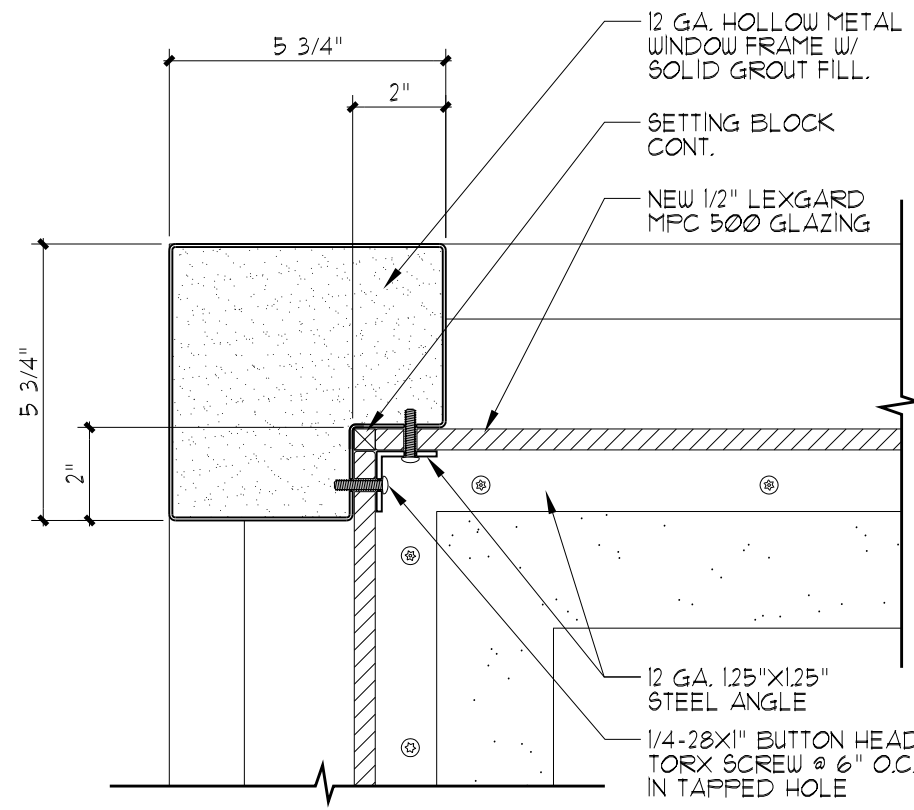
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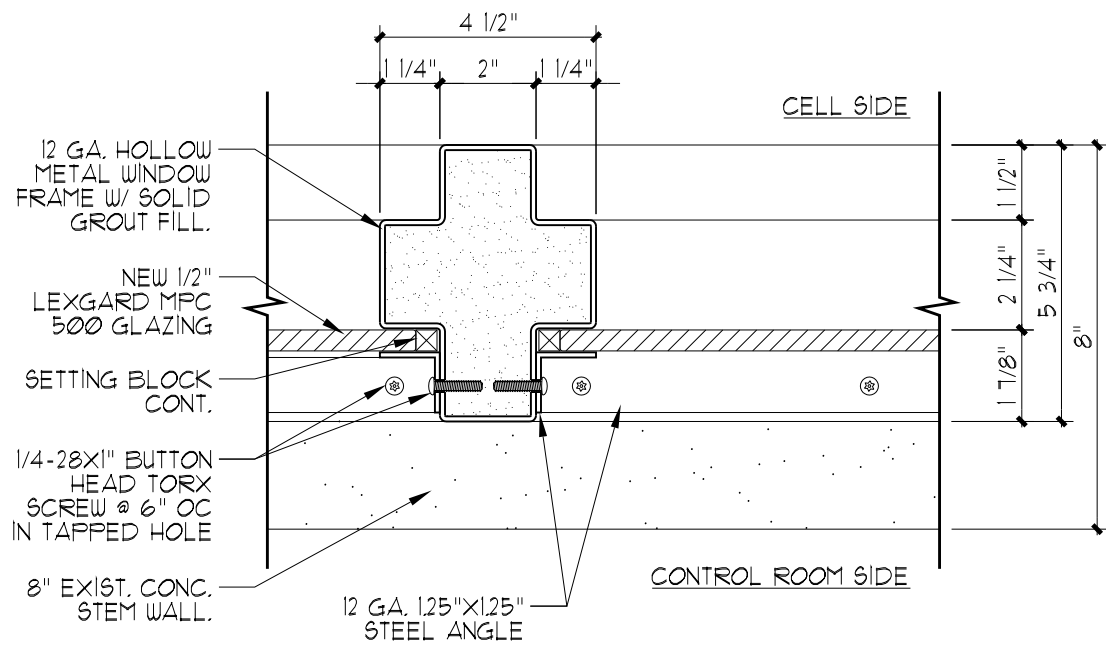
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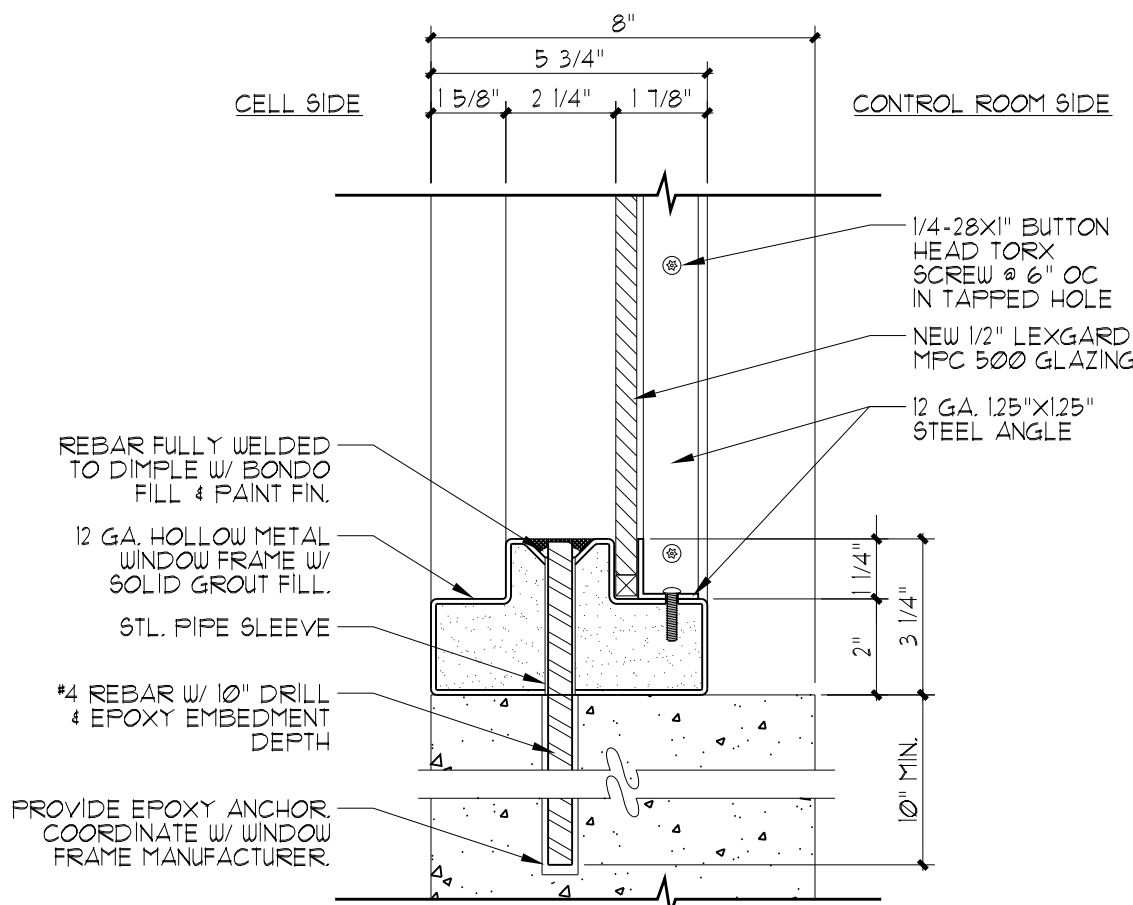
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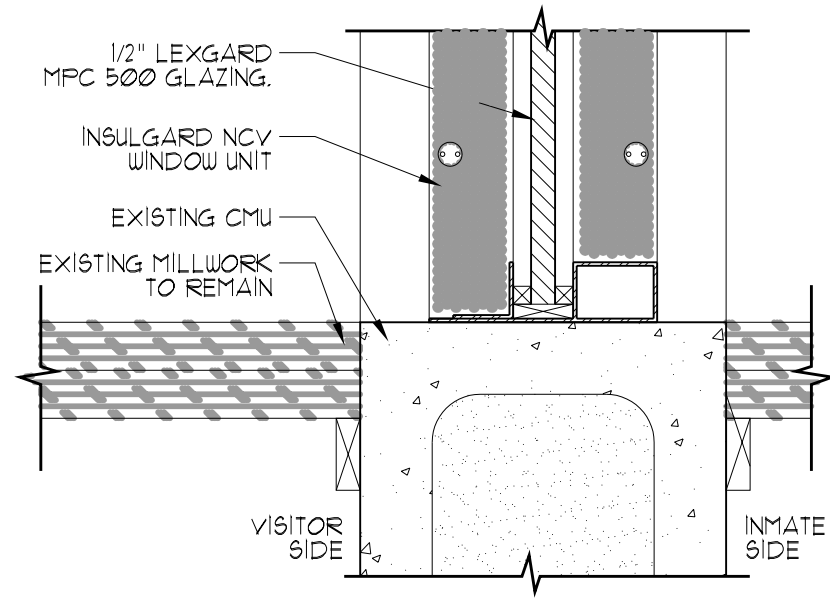
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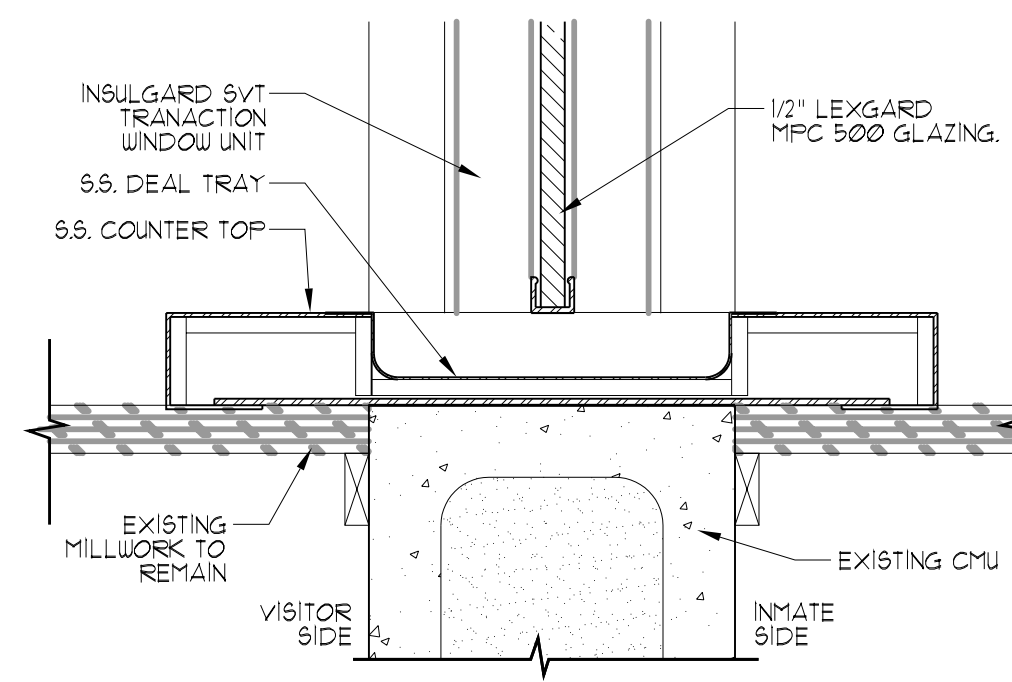
WINDOW DETAIL A2
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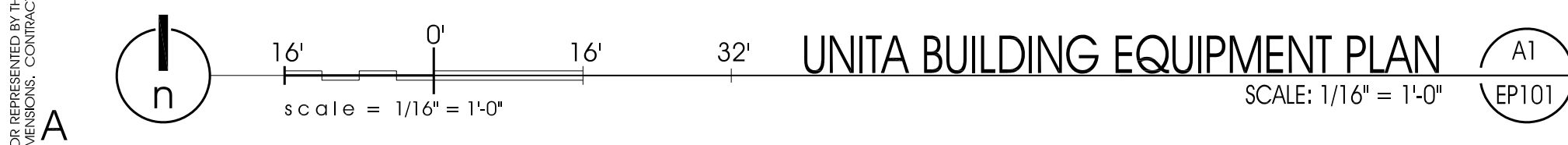
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SILL DETAIL A4
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SILL / DEAL TRAY DETAIL A5
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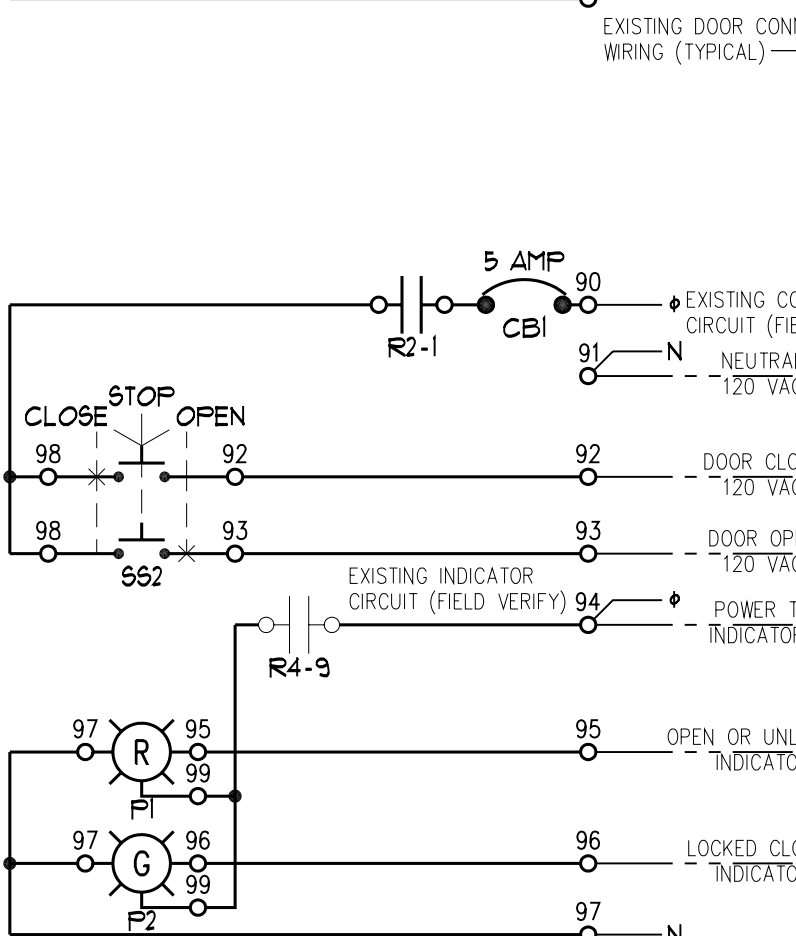
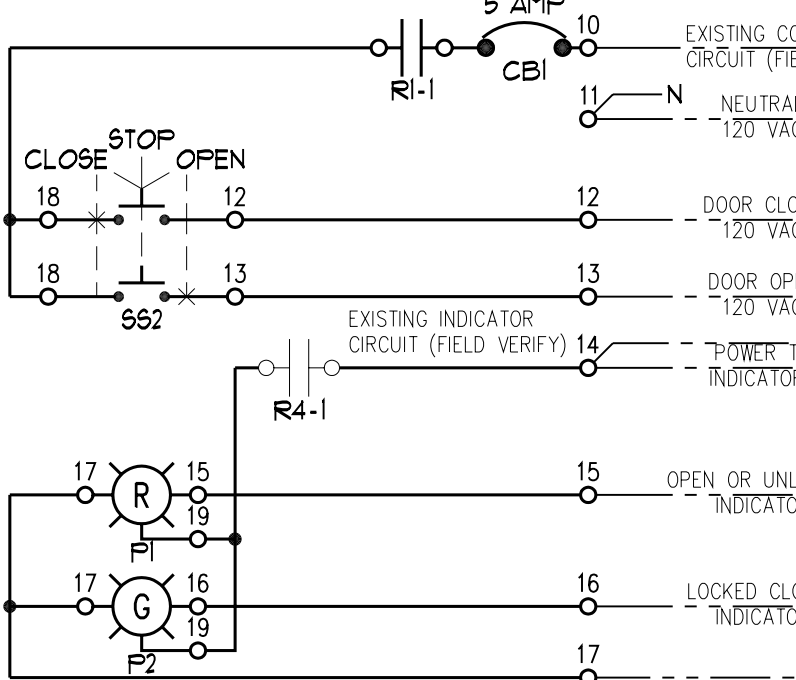
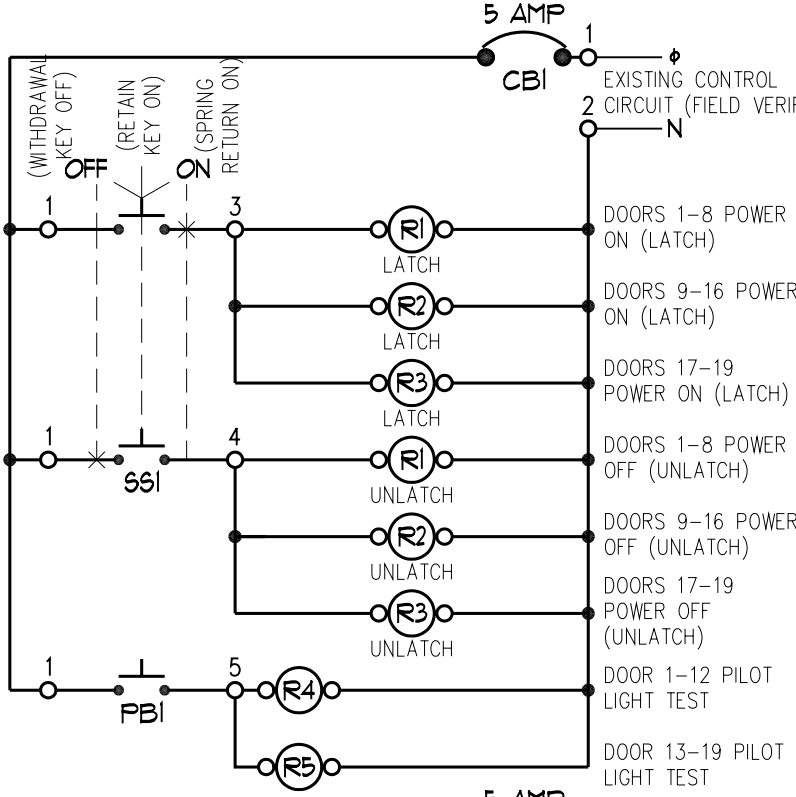
EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"

C

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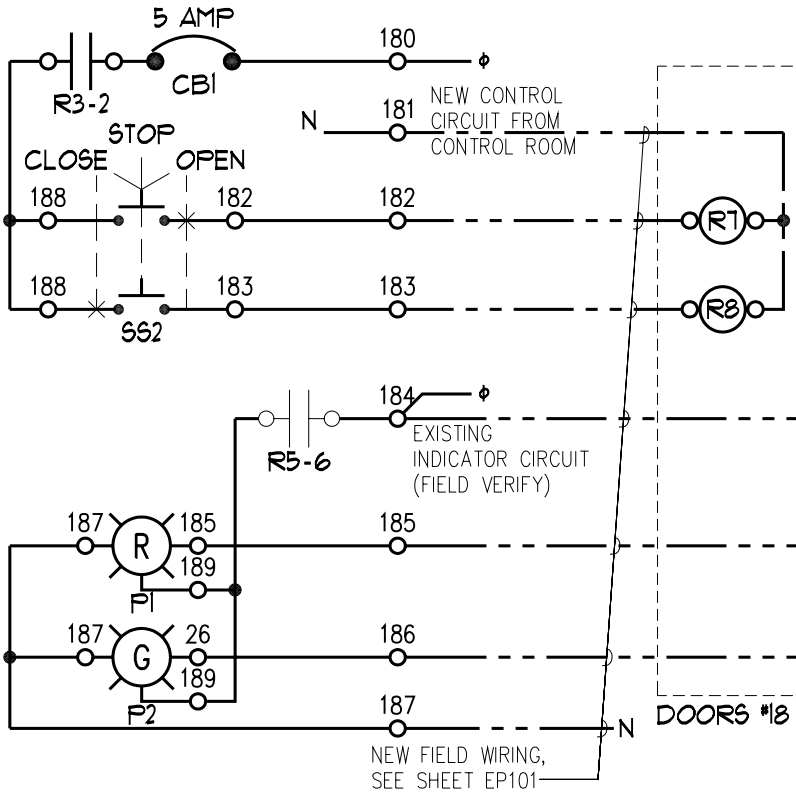
CONTROL NOTES:

- USE MINIMUM #14 STRANDED WIRE FOR ALL CONTROL CONDUCTORS. LABEL WIRE ACCORDING TO NUMBER ON CONTROL DIAGRAM. SEE SPECIFICATION SECTION 16199.
- REFER TO ELECTRICAL PLANS FOR NEW DOOR CONTROL WIRE SIZES.
- PROVIDE SELF-ADHESIVE LABELS TO IDENTIFY ALL CONTROL DEVICES ACCORDING TO WIRING DIAGRAM.
- PROVIDE DEVICES AS SPECIFIED OR EQUAL OF ACCEPTABLE MANUFACTURERS LISTED IN SPECIFICATION SECTION 16450.
- DOOR CONTROL DESIGN PROVIDED IS PRELIMINARY FOR CONTRACTOR'S REFERENCE. FIELD VERIFY EXISTING DOOR CONTROL PANEL WIRING AND DOOR CONNECTIONS. CONTRACTOR SHALL PROVIDE FINAL CONTROL WIRING DESIGN, COORDINATE WITH EXISTING CONDITIONS, ENGINEER AND OWNER'S REPRESENTATIVE. PROVIDE CONTROL WIRING DIAGRAM FOR REVIEW AND APPROVAL.



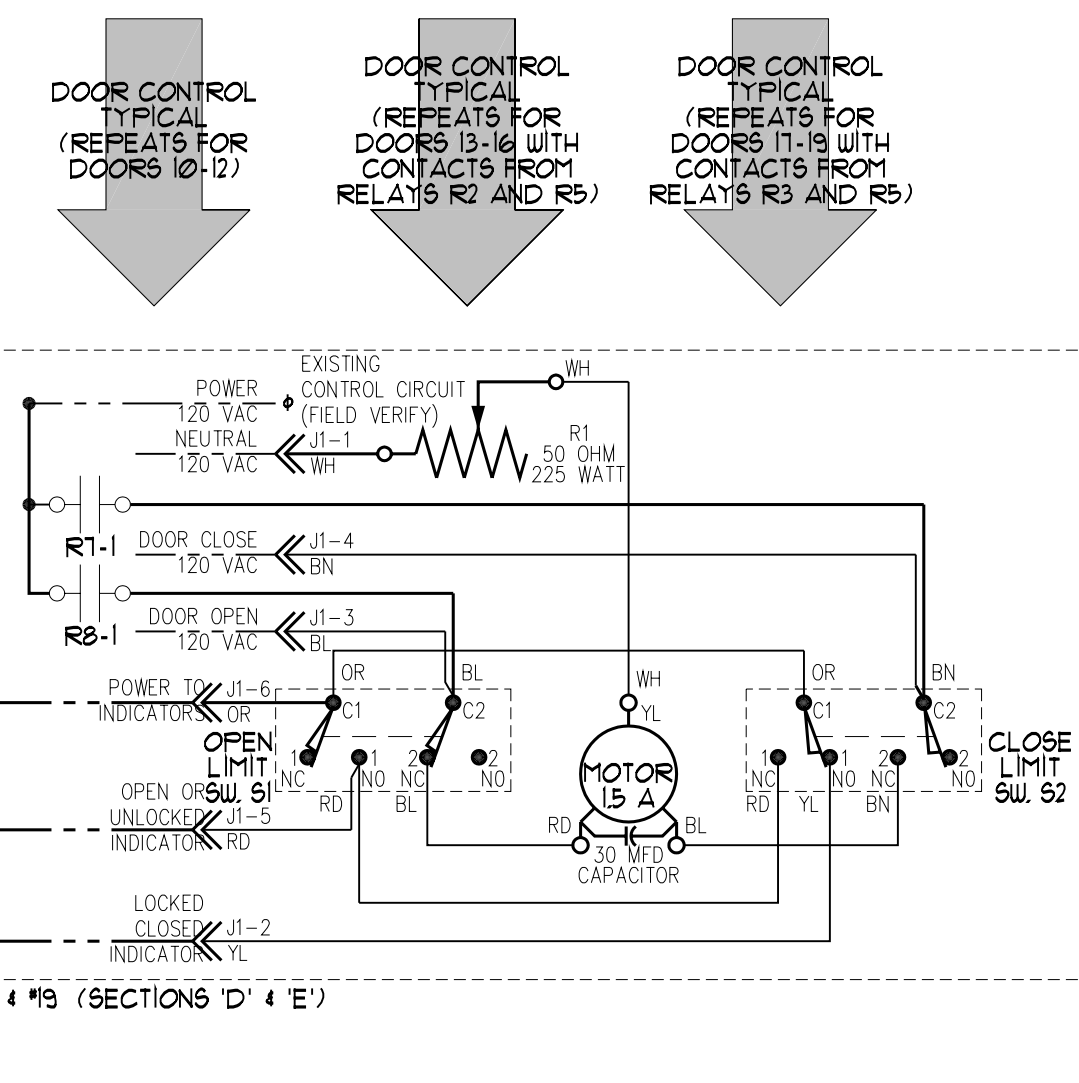
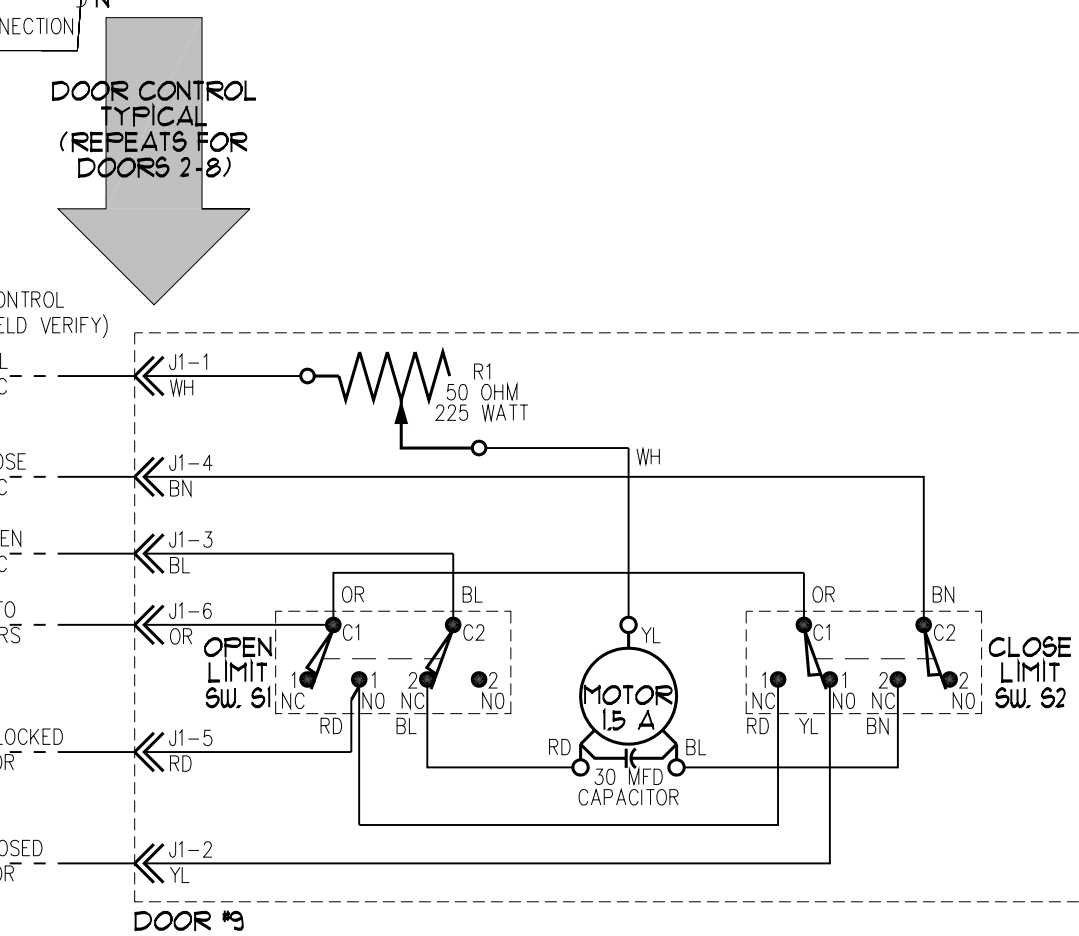
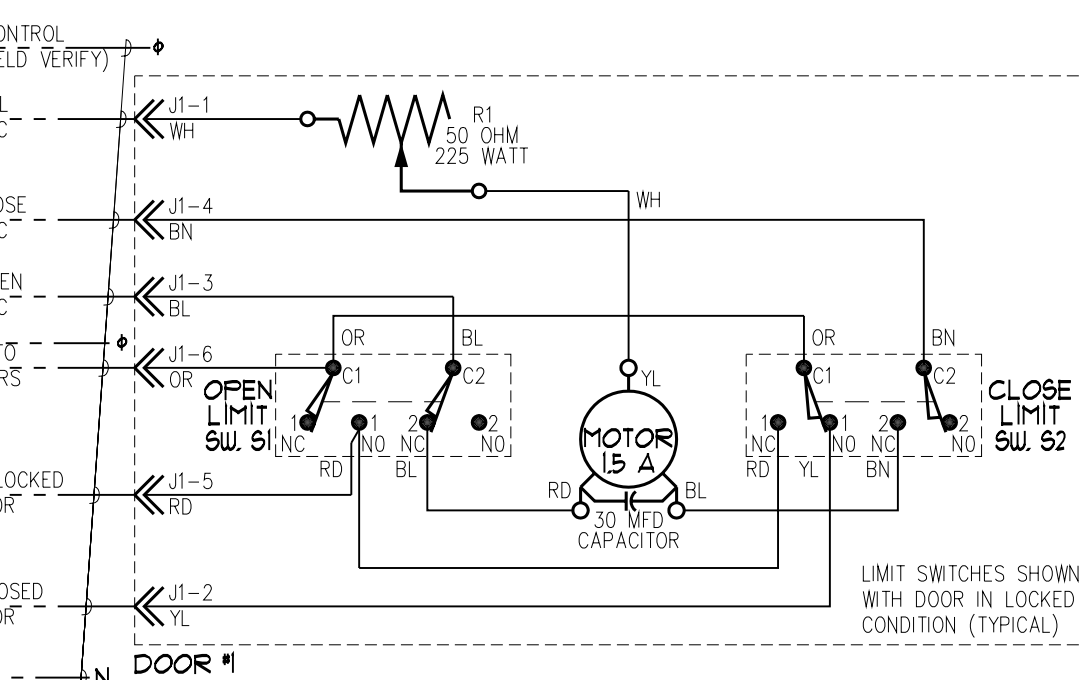
DESIGN ASSUMPTIONS:

- THIS DESIGN ASSUMES THAT EACH DOOR CONTROL HAS ITS OWN CONTROL CIRCUIT AND A SEPARATE INDICATOR CIRCUIT. EACH CIRCUIT IS ASSUMED TO HAVE A DIFFERENT VOLTAGE. CONTROL AND INDICATOR CIRCUITS HAVE BEEN ISOLATED THROUGH RELAYS AS INDICATED.

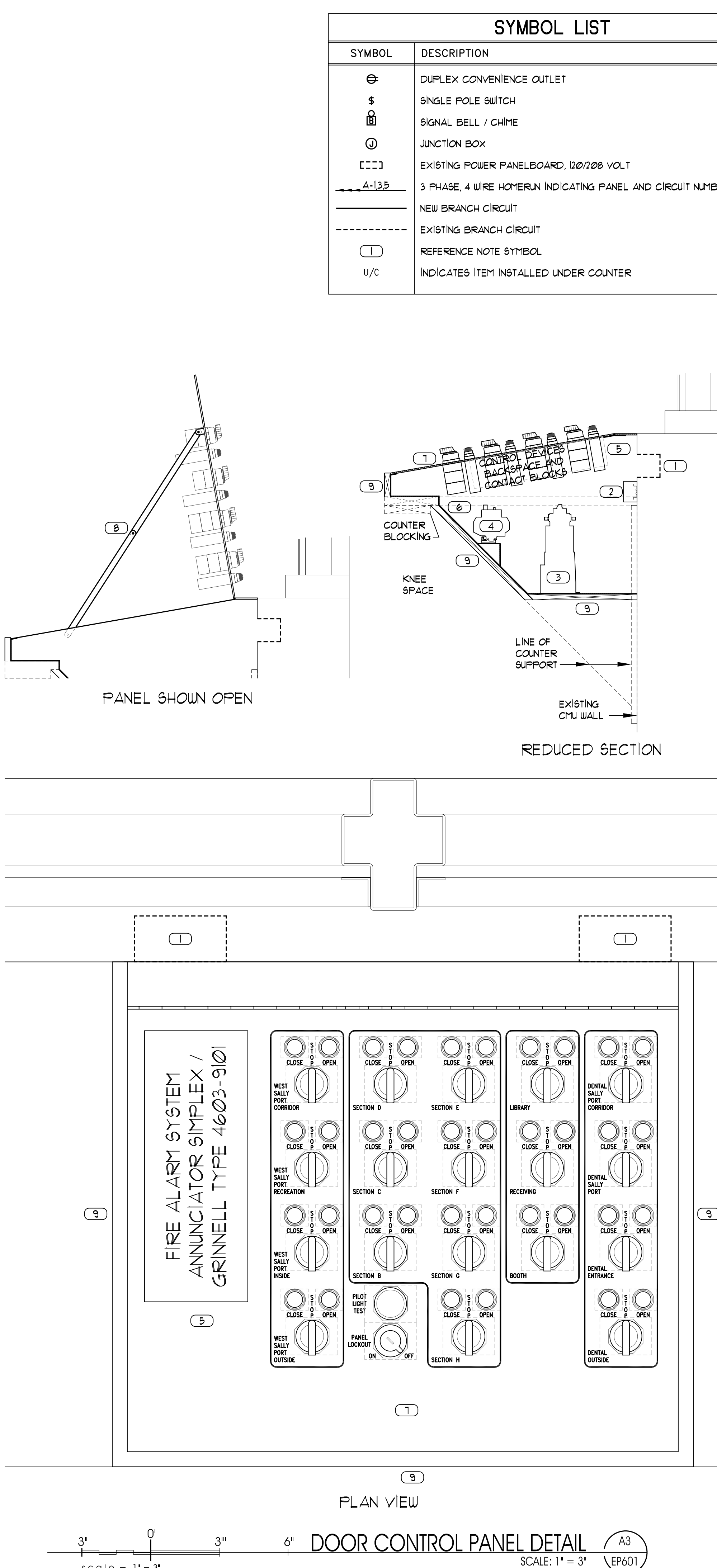


DOOR CONTROL EQUIPMENT:

- CBI CONTROL CIRCUIT BREAKER, 120 VOLT, 5 AMP THERMAL MAGNETIC TRIP, RAIL MOUNTED; SQUARE D CLASS 9000, TYPE GCB50, INSTALL IN CABINET AND CLEARLY LABEL (DOORS) CONTROLLED BY CIRCUIT. (TYPICAL OF TWENTY (20), SEE DESIGN ASSUMPTIONS. COORDINATE SIZE WITH EQUIPMENT SERVED).
- S51 SELECTOR SWITCH, 3 POSITION, MAINTAINED CONTACT (SPRING RETURN FROM RIGHT TO CENTER), KEY OPERATED (KEY WITHDRAWAL IN LEFT POSITION ONLY), 2 NO, 4 2 NC, CONTACTS; SQUARE D CLASS 9000, TYPE K513KH2-code4, INSTALL IN COVER OF CABINET.
- S52 SELECTOR SWITCH, 3 POSITION, MONETARY CONTACT (SPRING RETURN BOTH SIDES TO CENTER), 2 NO, 4 2 NC, CONTACTS; SQUARE D CLASS 9000, TYPE K513BH2, INSTALL IN COVER OF CABINET, (TYPICAL OF NINETEEN (19), SEE PANEL DETAIL).
- R1 RELAY, MECHANICALLY HELD, 120 VOLT COILS, 8 NO, CONTACTS; SQUARE D CLASS 8501, TYPE X080XL-V02, INSTALL IN CABINET. (COORDINATE CONTACTS REQUIRED WITH EXISTING CONDITIONS, SEE DESIGN ASSUMPTIONS).
- R2 RELAY, ELECTRICALLY HELD, 120 VOLT COIL, 12 NO, CONTACTS; SQUARE D CLASS 8501, TYPE X0100-V02, INSTALL IN CABINET. (COORDINATE CONTACTS REQUIRED WITH EXISTING CONDITIONS, SEE DESIGN ASSUMPTIONS).
- R3 RELAY, ELECTRICALLY HELD, 120 VOLT COIL, 2 NO, CONTACTS; SQUARE D CLASS 8501, TYPE X020-V02, INSTALL IN DOOR OPERATOR CONTROL PANEL. FIELD VERIFY INSTALLATION REQUIREMENTS. (TYPICAL OF FOUR(4))
- F1 PILOT LIGHT, 120 VOLT TRANSFORMER (COORDINATE VOLTAGE WITH EXISTING CONDITIONS), REMOTE TEST, RED LENS CAP COLOR; SQUARE D CLASS 9000, TYPE JTRXG23, INSTALL IN COVER OF CABINET. (TYPICAL OF NINETEEN (19), SEE PANEL DETAIL).
- F2 PILOT LIGHT, 120 VOLT TRANSFORMER (COORDINATE VOLTAGE WITH EXISTING CONDITIONS), REMOTE TEST, GREEN LENS CAP COLOR; SQUARE D CLASS 9000, TYPE JTRXG23, INSTALL IN COVER OF CABINET. (TYPICAL OF NINETEEN (19), SEE PANEL DETAIL).
- DOOR CONTROL CABINET: PROVIDE CABINET WITH HINGED FRONT METAL COVER, FLUSH LATCHES AND EQUIPMENT MOUNTING SPACE. SEE DOOR CONTROL PANEL DETAIL AND ARCHITECTURAL DRAWINGS FOR CABINET REQUIREMENTS.
- TERMINAL BLOCKS: 600 VOLT, FOR #12-10 CONDUCTORS, PROVIDE WITH MOUNTING RAIL, END BARRIERS, ETC., AS REQUIRED; SQUARE D CLASS 9000, TYPE GR6 OR EQUAL. INSTALL IN CABINET AS REQUIRED FOR TERMINATION OF ALL CONDUCTORS TO OUTSIDE OF CABINET.



DOOR CONTROL WIRING DIAGRAM SCALE: SCHEMATIC



DOOR CONTROL PANEL DETAIL SCALE: 1" = 3"

GENERAL NOTES:

- LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, SWITCHES, OUTLETS, BRANCH CIRCUIT WIRING, ETC., ARE BASED ON LIMITED EXISTING BUILDING ELECTRICAL DRAWINGS AND FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND CIRCUITING AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
- DOOR CONTROL DESIGN AND PANEL LAYOUT PROVIDED ARE PRELIMINARY FOR CONTRACTOR'S REFERENCE. FIELD VERIFY EXISTING DOOR CONTROL PANEL WIRING AND DOOR CONNECTIONS. CONTRACTOR SHALL PROVIDE FINAL CONTROL WIRING DESIGN AND PANEL LAYOUT, COORDINATE WITH EXISTING CONDITIONS, GENERAL CONTRACTOR, ENGINEER AND OWNER'S REPRESENTATIVES. PROVIDE CONTROL WIRING DIAGRAM AND COMPLETE PANEL LAYOUT INCLUDING CONSTRUCTION DETAILS FOR REVIEW AND APPROVAL.
- WIRING IN CONTROL PANEL SHALL BE GROUPED AND BUNDLED TOGETHER AND ROUTED SUCH THAT ALL DEVICES AND TERMINALS ARE ACCESSIBLE. CONDUCTORS AND CABLES SHALL HAVE SUFFICIENT LENGTH SUCH THAT THE CONTROL PANEL COVER OPENS FREELY AND COMPLETELY. OPENING OF CONTROL PANEL COVER SHALL NOT REQUIRE CONDUCTORS OR CABLES TO BE DISCONNECTED.
- EXISTING DOOR CONTROL PANEL SHALL BE REMOVED, RETAIN EXISTING DOOR CONTROL CONNECTIONS FOR NEW DOOR CONTROL PANEL. FIELD VERIFY EXISTING CONTROL WIRING PRIOR TO BEGINNING WORK AND COORDINATE WITH NEW CONTROL PANEL REQUIREMENTS. DOOR CONTROLS SHALL REMAIN IN OPERATION AT ALL TIMES (CONTROLS MAY BE OUT OF OPERATION DURING DAY SHIFT BUT SHALL BE RETURNED TO WORKING ORDER BEFORE END OF THAT SHIFT, COORDINATE WITH OWNER'S REPRESENTATIVE. CONTRACTOR SHALL WORK IN PHASES AS NECESSARY TO ACCOMMODATE OPERATIONAL REQUIREMENTS).
- PROVIDE SAMPLE OF ONE DOOR STATION ASSEMBLED WITH SELECTOR SWITCH (S52), PILOT LIGHTS (F1/F2) PAINT WITH GRAPHICS AND FLUSH LATCH FOR OWNER'S REVIEW AND APPROVAL PRIOR TO BEGINNING WORK.

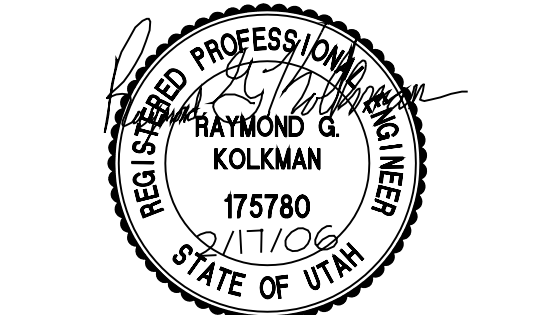
KEYED NOTE LEGEND:

- EXISTING RECESSED OUTLET BOX WITH DOOR CONTROL CONNECTIONS. FIELD VERIFY LOCATIONS AND ADJACENT CONTROL PANEL LOCATION AND DIMENSIONS AS REQUIRED.
- PROVIDE TERMINAL STRIP(S) IN CONTROL PANEL. TERMINATE EXISTING AND NEW CONTROL CONNECTIONS ON TERMINAL STRIP(S).
- INSTALL RELAYS IN CONTROL PANEL WITH REQUIRED CLEARANCES AND ACCESS.
- INSTALL CONTROL CIRCUIT BREAKERS IN EASILY ACCESSIBLE LOCATION AT FRONT OF CONTROL PANEL. LABEL BREAKER WITH DOOR CONTROLLED. PROVIDE MOUNTING BRACKET TO SQUARE BREAKERS TO FRONT ACCESS.
- INSTALL NEW FIRE ALARM ANNUNCIATOR IN FRONT COVER OFF CONTROL PANEL.
- CONTROL PANEL ENCLOSURE SHALL BE METAL ON ALL SIDES WITH ACCESS OPENINGS FOR EXISTING DOOR CONNECTIONS. CONTROL PANEL SHOWN FOLLOWING CONTOURS OF COUNTER SUPPORTS BELOW TOP OF COUNTER.
- HINGED FRONT METAL COVER WITH HAND OPERATED FLUSH LATCHES / HANDLES. PAINT COVER AND PROVIDE LETTERING LABELING DEVICES. SEE ARCHITECTURAL PLANS FOR PAINTING AND LETTERING REQUIREMENTS. COORDINATE LABELING OF DEVICES WITH OWNER'S REPRESENTATIVE.
- PROVIDE CONTROL PANEL WITH HOLD-OPEN STRUTS ON BOOTH SIDES.
- ARCHITECTURAL FACING AND BLOCKING TO MATCH CABINETS AND COUNTERS. SEE ARCHITECTURAL DETAILS AND PLANS.



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PROJECT DESCRIPTION

UTAH STATE PRISON
CONTROL ROOM REMODEL
DRAPER, UTAH

SHEET NAME:

UINTA GATE CONTROL
PANEL DETAIL
WIRING DIAGRAM

REVISIONS

MARK DATE DESCRIPTION

ISSUE DATA

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